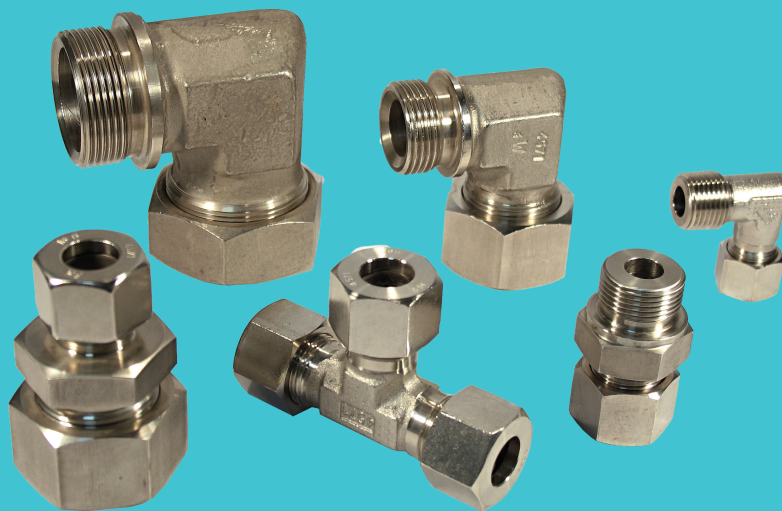


DIN 2353 CONE SEALING COUPLINGS (SINGLE FERRULE)



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Standard = Tube nuts are supplied unplated

SC = Tube nuts until size 12-L are supplied chemical plated

= Tube nuts from size 12-S are supplied with silver plated thread

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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Standard = Tube nuts are supplied unplated

SC = Tube nuts until size 12-L are supplied chemical plated

= Tube nuts from size 12-S are supplied with silver plated thread

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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Standard = Tube nuts are supplied unplated

SC = Tube nuts until size 12-L are supplied chemical plated

= Tube nuts from size 12-S are supplied with silver plated thread

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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Standard = Tube nuts are supplied unplated

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= Tube nuts from size 12-S are supplied with silver plated thread

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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= Tube nuts from size 12-S are supplied with silver plated thread

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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Standard = Tube nuts are supplied unplated

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CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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SC = Tube nuts until size 12-L are supplied chemical plated			
= Tube nuts from size 12-S are supplied with silver plated thread			

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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Standard = Tube nuts are supplied unplated

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CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

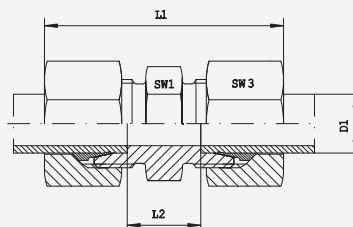
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GV - STRAIGHT COUPLINGS



Series LL

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW1	SW3
100	4	35,0	12	9	10
100	6	36,0	9	11	12
100	8	38,5	12	12	14

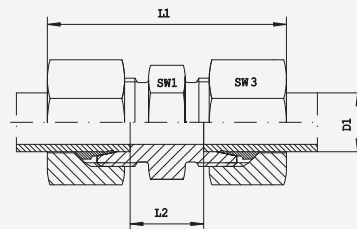
Series L

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW1	SW3
500	6	44,0	10	12	14
500	8	45,0	11	14	17
500	10	48,0	13	17	19
400	12	49,0	14	19	22
400	15	54,0	16	24	27
400	18	56,0	16	27	32
250	22	63,0	20	32	36
250	28	65,0	21	41	41
250	35	74,0	20	46	50
250	42	75,0	21	55	60

Series S

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW1	SW3
800	6	50,0	16	14	17
800	8	52,0	18	17	19
800	10	54,0	17	19	22
630	12	57,0	19	22	24
630	14	63,0	22	24	27
630	16	65,0	21	27	30
420	20	73,0	23	32	36
420	25	84,0	26	41	46
420	30	88,0	27	46	50
420	38	99,0	29	55	60

GV - STRAIGHT COUPLINGS



Series L

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW1	SW3
500	6	44,0	10	12	14
500	8	45,0	11	14	17
500	10	48,0	13	17	19
400	12	49,0	14	19	22
400	15	54,0	16	24	27
400	18	56,0	16	27	32
250	22	63,0	20	32	36
250	28	65,0	21	41	41
250	35	74,0	20	46	50
250	42	75,0	21	55	60

Series S

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW1	SW3
800	6	50,0	16	14	17
800	8	52,0	18	17	19
800	10	54,0	17	19	22
630	12	57,0	19	22	24
630	14	63,0	22	24	27
630	16	65,0	21	27	30
420	20	73,0	23	32	36
420	25	84,0	26	41	46
420	30	88,0	27	46	50
420	38	99,0	29	55	60



Series LL

Pressure	Tube O.D.
PN	D1
100	4
100	6
100	8

Series L

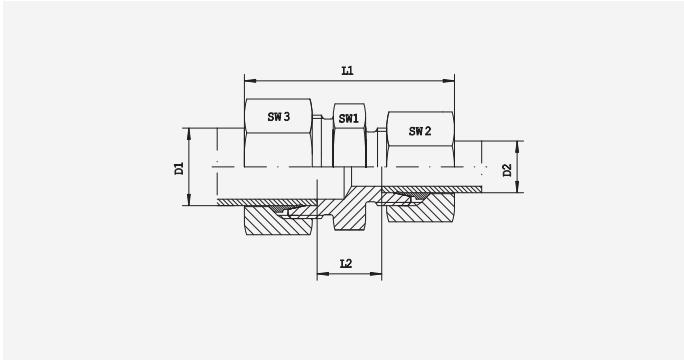
Pressure	Tube O.D.
PN	D1
500	6
500	8
500	10
400	12
400	15
400	18
250	22
250	28
250	35
250	42

Series S

Pressure	Tube O.D.
PN	D1
800	6
800	8
800	10
630	12
630	14
630	16
420	20
420	25
420	30
420	38

GRV - STUD REDUCERS

Straight Reducer Couplings | LL- and L-Series



Series LL

Pressure	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
100	6	4	36,0	10,5	11	10	12
100	8	6	38,0	11,0	12	12	14

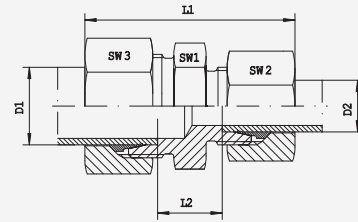
Series L

Pressure	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
500	8	6	45,5	11,0	14	14	17
500	10	6	47,0	12,0	17	14	19
500	10	8	47,0	12,0	17	17	19
400	12	6	48,0	13,0	19	14	22
400	12	8	48,0	13,0	19	17	22
400	12	10	49,5	14,0	19	19	22
400	15	6	50,5	14,0	24	14	27
400	15	8	50,5	14,0	24	17	27
400	15	10	52,0	15,0	24	19	27
400	15	12	52,0	15,0	24	22	27
400	18	8	52,0	14,5	27	27	32
400	18	10	53,5	15,5	27	19	32
400	18	12	53,5	15,5	27	22	32
400	18	15	56,5	16,5	27	27	32
250	22	8	56,5	17,5	32	17	36
250	22	10	57,0	17,5	32	19	36
250	22	12	57,0	17,5	32	22	36
250	22	15	59,0	18,5	32	27	36
250	22	18	60,0	18,0	32	32	36
250	28	10	60,0	20,5	41	19	41
250	28	12	60,0	19,0	41	22	41
250	28	15	62,5	19,0	41	27	41
250	28	18	61,0	19,0	41	32	41
250	28	22	64,0	21,0	41	36	41
250	35	15			46	27	50
250	35	18	66,5	19,0	46	32	50
250	35	22	69,5	21,0	46	36	50
250	35	28	70,5	21,0	46	41	50
250	42	15	64,0	21,0	55	27	60

Pressure	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
250	42	18		20,5	55	32	60
250	42	22	70,5	22,5	55	36	60
250	42	28	71,0	22,5	55	41	60
250	42	35	75,0	21,5	55	50	60

GRV - STUD REDUCERS

Straight Reducer Couplings | L-Series



Series L

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
500	8	6	45,5	11,0	14	14	17
500	10	6	47,0	12,0	17	14	19
500	10	8	47,0	12,0	17	17	19
400	12	6	48,0	13,0	19	14	22
400	12	8	48,0	13,0	19	17	22
400	12	10	49,5	14,0	19	19	22
400	15	6	50,5	14,0	24	14	27
400	15	8	50,5	14,0	24	17	27
400	15	10	52,0	15,0	24	19	27
400	15	12	52,0	15,0	24	22	27
400	18	8	52,0	14,5	27	27	32
400	18	10	53,5	15,5	27	19	32
400	18	12	53,5	15,5	27	22	32
400	18	15	56,5	16,5	27	27	32
250	22	8	56,5	17,5	32	17	36
250	22	10	57,0	17,5	32	19	36
250	22	12	57,0	17,5	32	22	36
250	22	15	59,0	18,5	32	27	36
250	22	18	60,0	18,0	32	32	36
250	28	10	60,0	20,5	41	19	41
250	28	12	60,0	19,0	41	22	41
250	28	15	62,5	19,0	41	27	41
250	28	18	61,0	19,0	41	32	41
250	28	22	64,0	21,0	41	36	41
250	35	15			46	27	50
250	35	18	66,5	19,0	46	32	50
250	35	22	69,5	21,0	46	36	50
250	35	28	70,5	21,0	46	41	50
250	42	15	64,0	21,0	55	27	60
250	42	18		20,5	55	32	60
250	42	22	70,5	22,5	55	36	60
250	42	28	71,0	22,5	55	41	60
250	42	35	75,0	21,5	55	50	60

GRV - STUD REDUCERS

Straight Reducer Coupling Bodies | LL- and L-Series



Series LL

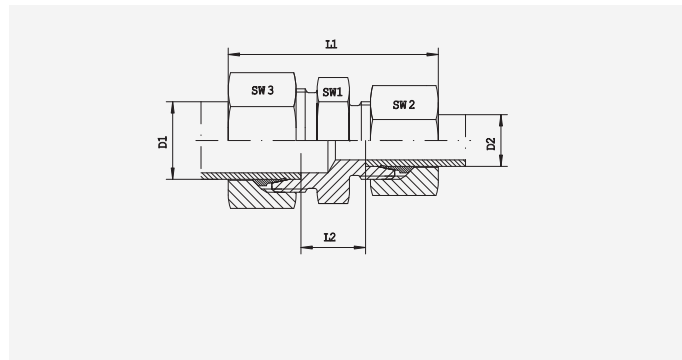
Pressure	Tube O.D.	
PN	D1	D2
100	6	4
100	8	6

Series L

Pressure	Tube O.D.		Pressure	Tube O.D.	
PN	D1	D2	PN	D1	D2
500	8	6	250	42	18
500	10	6	250	42	22
500	10	8	250	42	28
400	12	6	250	42	35
400	12	8			
400	12	10			
400	15	6			
400	15	8			
400	15	10			
400	15	12			
400	18	8			
400	18	10			
400	18	12			
400	18	15			
250	22	8			
250	22	10			
250	22	12			
250	22	15			
250	22	18			
250	28	10			
250	28	12			
250	28	15			
250	28	18			
250	28	22			
250	35	15			
250	35	18			
250	35	22			
250	35	28			
250	42	15			

GRV - STUD REDUCERS

Straight Reducer Couplings S-Series



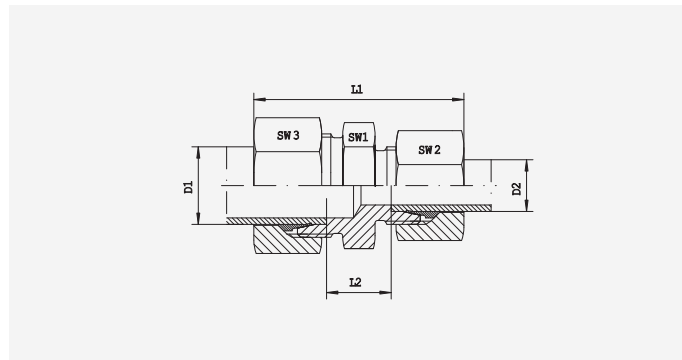
Series S

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
800	8	6	52,5	18,0	17	17	19
800	10	6	53,5	17,5	19	17	22
800	10	8	54,0	17,5	19	19	22
630	12	6	55,5	19,5	22	17	24
630	12	8	55,5	19,5	22	19	24
630	12	10	56,5	19,0	22	22	24
630	14	6			24	17	27
630	14	8			24	19	27
630	14	10	60,0	20,5	24	22	27
630	14	12	60,0	20,5	24	24	27
630	16	6	59,5	20,0	27	17	30
630	16	8	59,5	20,0	27	19	30
630	16	10	60,5	20,0	27	22	30
630	16	12	60,5	20,0	27	24	30
630	16	14	63,5	21,5	27	27	30
420	20	6	64,5	23,5	32	17	36
420	20	8	64,5	21,0	32	19	36
420	20	10	65,5	22,0	32	22	36
420	20	12	65,5	22,0	32	24	36
420	20	14	68,5	23,0	32	27	36
420	20	16	69,5	23,0	32	30	36
420	25	6			41	17	46
420	25	8	71,5	26,5	41	19	46
420	25	10	72,5	27,5	41	22	46
420	25	12	72,5	24,0	41	24	46
420	25	14	74,5	26,5	41	27	46
420	25	16	74,5	25,5	41	30	46
420	25	20	79,0	25,5	41	36	46
420	30	10	74,5	25,0	46	22	50
420	30	12	74,5	27,0	46	24	50
420	30	14			46	27	50
420	30	16	78,5	26,0	46	30	50
420	30	20	81,5	26,0	46	36	50
420	30	25	86,0	26,5	46	46	50
420	38	10	75,5	24,5	55	22	60
420	38	12			55	24	60
420	38	14			55	27	60

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
420	38	16	85,0	26,0	55	30	60
420	38	20	88,0	28,0	55	36	60
420	38	25	94,0	29,0	55	46	60
420	38	30	95,5	29,5	55	50	60

GRV - STUD REDUCERS

Straight Reducer Couplings | S-Series



Series S

Pressure	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
800	8	6	52,5	18,0	17	17	19
800	10	6	53,5	17,5	19	17	22
800	10	8	54,0	17,5	19	19	22
630	12	6	55,5	19,5	22	17	24
630	12	8	55,5	19,5	22	19	24
630	12	10	56,5	19,0	22	22	24
630	14	6			24	17	27
630	14	8			24	19	27
630	14	10	60,0	20,5	24	22	27
630	14	12	60,0	20,5	24	24	27
630	16	6	59,5	20,0	27	17	30
630	16	8	59,5	20,0	27	19	30
630	16	10	60,5	20,0	27	22	30
630	16	12	60,5	20,0	27	24	30
630	16	14	63,5	21,5	27	27	30
420	20	6	64,5	23,5	32	17	36
420	20	8	64,5	21,0	32	19	36
420	20	10	65,5	22,0	32	22	36
420	20	12	65,5	22,0	32	24	36
420	20	14	68,5	23,0	32	27	36
420	20	16	69,5	23,0	32	30	36
420	25	6			41	17	46
420	25	8	71,5	26,5	41	19	46
420	25	10	72,5	27,5	41	22	46
420	25	12	72,5	24,0	41	24	46
420	25	14	74,5	26,5	41	27	46
420	25	16	74,5	25,5	41	30	46
420	25	20	79,0	25,5	41	36	46
420	30	10	74,5	25,0	46	22	50
420	30	12	74,5	27,0	46	24	50
420	30	14			46	27	50
420	30	16	78,5	26,0	46	30	50
420	30	20	81,5	26,0	46	36	50
420	30	25	86,0	26,5	46	46	50
420	38	10	75,5	24,5	55	22	60
420	38	12			55	24	60
420	38	14			55	27	60

Pressure	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW2	SW3
420	38	16	85,0	26,0	55	30	60
420	38	20	88,0	28,0	55	36	60
420	38	25	94,0	29,0	55	46	60
420	38	30	95,5	29,5	55	50	60

GRV - STUD REDUCERS

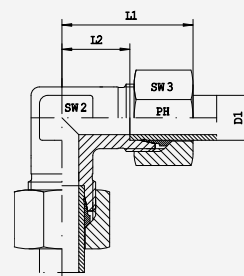
Straight Reducer Coupling Bodies | S-Series



Series S

Pressure			Tube O.D.		
PN			D1	D2	
800	8	6			
800	10	6			
800	10	8			
630	12	6			
630	12	8			
630	12	10			
630	14	6			
630	14	8			
630	14	10			
630	14	12			
630	16	6			
630	16	8			
630	16	10			
630	16	12			
630	16	14			
420	20	6			
420	20	8			
420	20	10			
420	20	12			
420	20	14			
420	20	16			
420	25	6			
420	25	8			
420	25	10			
420	25	12			
420	25	14			
420	25	16			
420	25	20			
420	30	10			
420	30	12			
420	30	14			
420	30	16			
420	30	20			
420	30	25			
420	38	10			
420	38	12			
420	38	14			

WV - EQUAL ELBOWS



Series LL

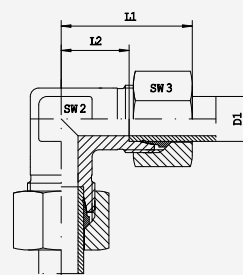
Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
100	4	21	11,0	9	10
100	6	21	9,5	9	12
100	8	23	11,5	12	14

Series L

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
500	6	27	12,0	12	14
500	8	29	14,0	12	17
500	10	30	15,0	14	19
400	12	32	17,0	17	22
400	15	36	21,0	19	27
400	18	40	23,5	24	32
250	22	44	27,5	27	36
250	28	47	30,5	36	41
250	35	56	34,5	41	50
250	42	63	40,0	50	60

Series S

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
800	6	31	16,0	12	17
800	8	32	17,0	14	19
800	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
630	16	43	24,5	24	30
420	20	48	26,5	27	36
420	25	54	30,0	36	46
420	30	62	35,5	41	50
420	38	72	41,0	50	60



Series L

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW2	SW3
500	6	27	12,0	12	14
500	8	29	14,0	12	17
500	10	30	15,0	14	19
400	12	32	17,0	17	22
400	15	36	21,0	19	27
400	18	40	23,5	24	32
250	22	44	27,5	27	36
250	28	47	30,5	36	41
250	35	56	34,5	41	50
250	42	63	40,0	50	60

Series S

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW2	SW3
800	6	31	16,0	12	17
800	8	32	17,0	14	19
800	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
630	16	43	24,5	24	30
420	20	48	26,5	27	36
420	25	54	30,0	36	46
420	30	62	35,5	41	50
420	38	72	41,0	50	60



Series LL

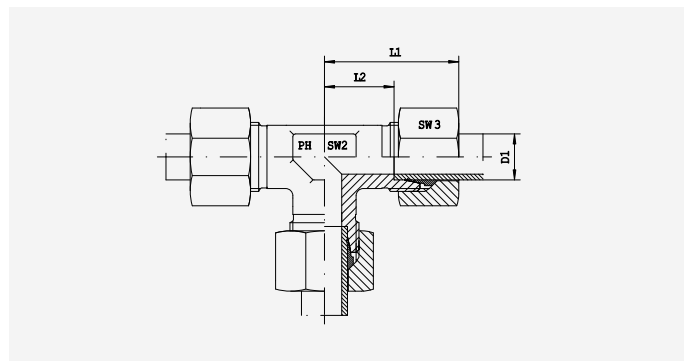
Pressure	Tube O.D.
PN	D1
100	4
100	6
100	8

Series L

Pressure	Tube O.D.
PN	D1
500	6
500	8
500	10
400	12
400	15
400	18
250	22
250	28
250	35
250	42

Series S

Pressure	Tube O.D.
PN	D1
800	6
800	8
800	10
630	12
630	14
630	16
420	20
420	25
420	30
420	38



Series LL

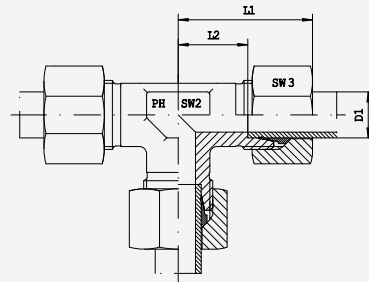
Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
100	4	21	11,0	9	10
100	6	21	9,5	9	12
100	8	23	11,5	12	14

Series L

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
500	6	27	12,0	12	14
500	8	29	14,0	12	17
500	10	30	15,0	14	19
400	12	32	17,0	17	22
400	15	36	21,0	19	27
400	18	40	23,5	24	32
250	22	44	27,5	27	36
250	28	47	30,5	36	41
250	35	56	34,5	41	50
250	42	63	40,0	50	60

Series S

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
800	6	31	16,0	12	17
800	8	32	17,0	14	19
800	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
630	16	43	24,4	24	30
420	20	48	26,5	27	36
420	25	54	30,0	36	46
420	30	62	35,5	41	50
420	38	72	41,0	50	60



Series L

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW2	SW3
500	6	27	12,0	12	14
500	8	29	14,0	12	17
500	10	30	15,0	14	19
400	12	32	17,0	17	22
400	15	36	21,0	19	27
400	18	40	23,5	24	32
250	22	44	27,5	27	36
250	28	47	30,5	36	41
250	35	56	34,5	41	50
250	42	63	40,0	50	60

Series S

Pressure PN	Tube O.D. D1	Approx. Dimensions			
		L1	L2	SW1	SW3
800	6	31	16,0	12	17
800	8	32	17,0	14	19
800	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
630	16	43	24,4	24	30
420	20	48	26,5	27	36
420	25	54	30,0	36	46
420	30	62	35,5	41	50
420	38	72	41,0	50	60



Series LL

Pressure	Tube O.D.
PN	D1
100	4
100	6
100	8

Series L

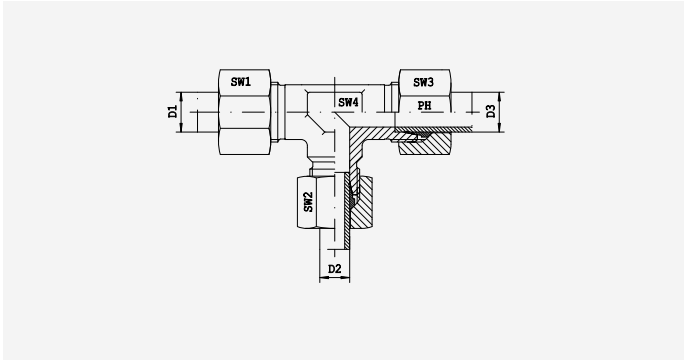
Pressure	Tube O.D.
PN	D1
500	6
500	8
500	10
400	12
400	15
400	18
250	22
250	28
250	35
250	42

Series S

Pressure	Tube O.D.
PN	D1
800	6
800	8
800	10
630	12
630	14
630	16
420	20
420	25
420	30
420	38

TRV - COUPLINGS

Reducing Tee Couplings | S-Series | Other jump sizes on request!

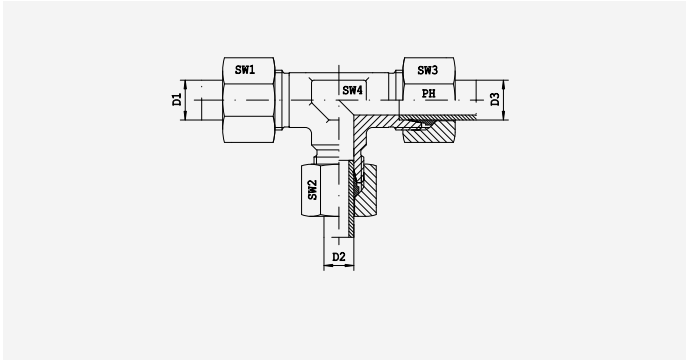


Series S

Pressure	Tube O.D.			Approx. Dimensions				
	PN	D1	D2	D3	SW1	SW2	SW3	SW4
800	8	6	8	19	17	19	14	
800	10	6	10	22	17	22	17	
800	10	8	10	22	19	22	17	
630	12	6	12	24	17	24	17	
630	12	8	8	24	19	19	17	
630	12	8	12	24	19	24	17	
630	12	10	12	24	22	24	17	
630	12	16	12	24	30	24	24	
630	14	8	14	27	19	27	19	
630	14	10	14	27	22	27	19	
630	16	6	16	30	17	30	24	
630	16	8	16	30	19	30	24	
630	16	10	16	30	22	30	24	
630	16	12	12	30	24	24	24	
630	16	12	16	30	24	30	24	
630	16	14	16	30	27	30	24	
420	16	20	16	30	36	30	27	
420	20	8	20	36	19	36	27	
420	20	10	20	36	22	36	27	
420	20	12	20	36	24	36	27	
420	20	14	20	36	27	36	27	
420	20	16	20	36	30	36	27	
420	20	25	20	36	46	36	36	
420	25	10	25	46	22	46	36	
420	25	12	25	46	24	46	36	
420	25	14	25	46	27	46	36	
420	25	16	25	46	30	46	36	
420	25	20	25	46	36	46	36	
420	25	30	25	46	50	46	41	
420	30	12	30	50	24	50	41	
420	30	16	30	50	30	40	41	
420	30	20	30	50	36	50	41	
420	30	25	30	50	46	50	41	
420	30	38	30	50	60	50	50	
420	38	16	38	60	30	60	50	
420	38	20	38	60	36	60	50	
420	38	25	38	60	46	60	50	
420	38	30	38	60	50	60	50	

TRV - COUPLINGS

Reducing Tee Couplings | S-Series | Other jump sizes on request!



Series S

Pressure	Tube O.D.			Approx. Dimensions				
	PN	D1	D2	D3	SW1	SW2	SW3	SW4
800	8	6	8	19	17	19	14	
800	10	6	10	22	17	22	17	
800	10	8	10	22	19	22	17	
630	12	6	12	24	17	24	17	
630	12	8	8	24	19	19	17	
630	12	8	12	24	19	24	17	
630	12	10	12	24	22	24	17	
630	12	16	12	24	30	24	24	
630	14	8	14	27	19	27	19	
630	14	10	14	27	22	27	19	
630	16	6	16	30	17	30	24	
630	16	8	16	30	19	30	24	
630	16	10	16	30	22	30	24	
630	16	12	12	30	24	24	24	
630	16	12	16	30	24	30	24	
630	16	14	16	30	27	30	24	
420	16	20	16	30	36	30	27	
420	20	8	20	36	19	36	27	
420	20	10	20	36	22	36	27	
420	20	12	20	36	24	36	27	
420	20	14	20	36	27	36	27	
420	20	16	20	36	30	36	27	
420	20	25	20	36	46	36	36	
420	25	10	25	46	22	46	36	
420	25	12	25	46	24	46	36	
420	25	14	25	46	27	46	36	
420	25	16	25	46	30	46	36	
420	25	20	25	46	36	46	36	
420	25	30	25	46	50	46	41	
420	30	12	30	50	24	50	41	
420	30	16	30	50	30	40	41	
420	30	20	30	50	36	50	41	
420	30	25	30	50	46	50	41	
420	30	38	30	50	60	50	50	
420	38	16	38	60	30	60	50	
420	38	20	38	60	36	60	50	
420	38	25	38	60	46	60	50	
420	38	30	38	60	50	60	50	

TRV - COUPLINGS

Reducing Tee Coupling Bodies | S-Series | Other jump sizes on request!

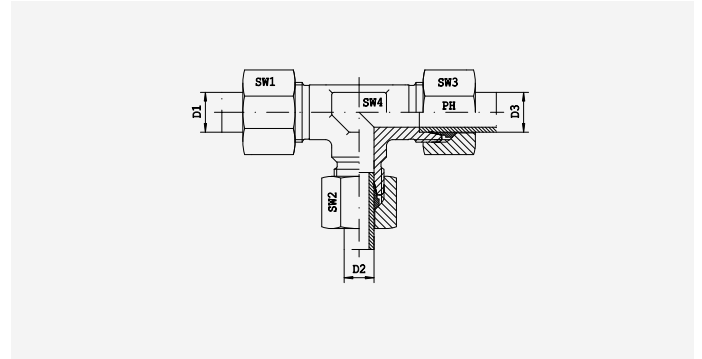


Series S

Pressure	Tube O.D.		
	PN	D1	D2 D3
	800	8	6 8
	800	10	6 10
	800	10	8 10
	630	12	6 12
	630	12	8 8
	630	12	8 12
	630	12	10 12
	630	12	16 12
	630	14	8 14
	630	14	10 14
	630	16	6 16
	630	16	8 16
	630	16	10 16
	630	16	12 12
	630	16	12 16
	630	16	14 16
	420	16	20 16
	420	20	8 20
	420	20	10 20
	420	20	12 20
	420	20	14 20
	420	20	16 20
	420	20	25 20
	420	25	10 25
	420	25	12 25
	420	25	14 25
	420	25	16 25
	420	25	20 25
	420	25	30 25
	420	30	12 30
	420	30	16 30
	420	30	20 30
	420	30	25 30
	420	30	38 30
	420	38	16 38
	420	38	20 38
	420	38	25 38
	420	38	30 38

TRV - COUPLINGS

Reducing Tee Couplings | L-Series | Other jump sizes on request!

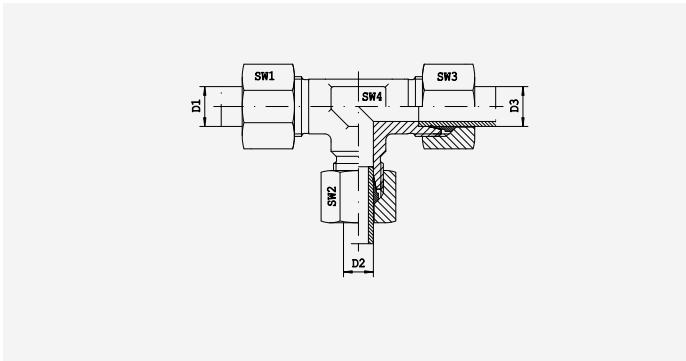


Series L

Pressure PN	Tube O.D.			Approx. Dimensions			
	D1	D2	D3	SW1	SW2	SW3	SW4
500	6	8	6	14	17	14	14
500	6	10	6	14	19	14	17
500	8	6	8	17	14	17	14
500	8	10	8	17	19	17	17
400	8	12	8	17	22	17	17
500	10	6	10	19	14	19	17
500	10	8	10	19	17	19	17
500	10	10	6	19	19	14	17
400	10	12	10	19	22	19	17
400	10	15	10	19	27	19	19
400	12	6	12	22	14	22	17
400	12	8	8	22	17	17	17
400	12	8	12	22	17	22	17
400	12	10	10	22	19	19	17
400	12	10	12	22	19	22	17
400	12	12	10	22	22	19	17
400	12	15	12	22	27	22	19
400	12	18	12	22	32	22	24
400	15	6	15	27	14	27	19
400	15	8	15	27	17	27	19
400	15	10	15	27	19	27	19
400	15	12	12	27	22	22	19
400	15	12	15	27	22	27	19
400	15	15	12	27	27	22	19
250	15	22	15	27	36	27	27
400	18	8	18	32	17	32	24
400	18	10	10	32	19	19	24
400	18	10	18	32	19	32	24
400	18	12	18	32	22	32	24
400	18	15	18	32	27	32	24
400	18	18	10	32	32	19	24
250	22	10	22	36	19	36	27
250	22	12	22	36	22	36	27
250	22	15	15	36	27	27	27
250	22	15	22	36	27	36	27
250	22	18	18	36	32	32	27
250	22	18	22	36	32	36	27

Pressure PN	Tube O.D.			Approx. Dimensions			
	D1	D2	D3	SW1	SW2	SW3	SW4
250	22	22	18	36	36	32	27
250	28	10	28	41	19	41	36
250	28	12	28	41	22	41	36
250	28	15	28	41	27	41	36
250	28	18	28	41	32	41	36
250	28	22	22	41	36	36	36
250	28	22	28	41	36	41	36
250	28	35	28	41	50	41	41
250	35	12	35	50	22	50	41
250	35	15	35	50	27	50	41
250	35	18	35	50	32	50	41

Reducing Tee Couplings | L-Series | Other jump sizes on request

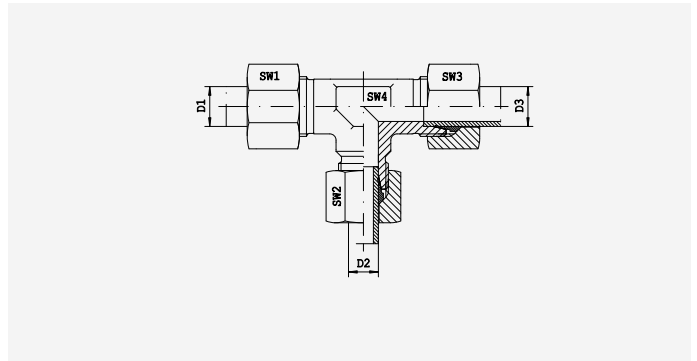


Series L

Pressure	Tube O.D.			Approx. Dimensions			
	D1	D2	D3	SW1	SW2	SW3	SW4
250	35	22	22	50	36	50	41
250	35	28	28	50	41	50	41
250	35	42	42	50	60	50	50
250	42	15	15	60	27	60	50
250	42	18	18	60	32	60	50
250	42	22	22	60	36	60	50
250	42	28	28	60	41	60	50
250	42	35	35	60	50	60	50

TRV - COUPLINGS

Reducing Tee Couplings | L-Series | Other jump sizes on request

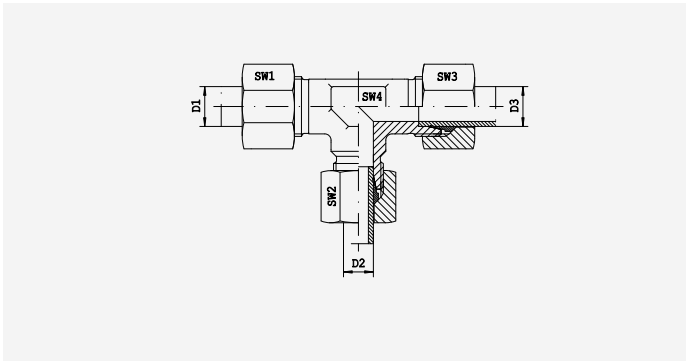


Series L

Pressure	Tube O.D.			Approx. Dimensions			
PN	D1	D2	D3	SW1	SW2	SW3	SW4
500	6	8	6	14	17	14	14
500	6	10	6	14	19	14	17
500	8	6	8	17	14	17	14
500	8	10	8	17	19	17	17
400	8	12	8	17	22	17	17
500	10	6	10	19	14	19	17
500	10	8	10	19	17	19	17
500	10	10	6	19	19	14	17
400	10	12	10	19	22	19	17
400	10	15	10	19	27	19	19
400	12	6	12	22	14	22	17
400	12	8	8	22	17	17	17
400	12	8	12	22	17	22	17
400	12	10	10	22	19	19	17
400	12	10	12	22	19	22	17
400	12	12	10	22	22	19	17
400	12	15	12	22	27	22	19
400	12	18	12	22	32	22	24
400	15	6	15	27	14	27	19
400	15	8	15	27	17	27	19
400	15	10	15	27	19	27	19
400	15	12	12	27	22	22	19
400	15	12	15	27	22	27	19
400	15	15	12	27	27	22	19
250	15	22	15	27	36	27	27
400	18	8	18	32	17	32	24
400	18	10	10	32	19	19	24
400	18	10	18	32	19	32	24
400	18	12	18	32	22	32	24
400	18	15	18	32	27	32	24
400	18	18	10	32	32	19	24
250	22	10	22	36	19	36	27
250	22	12	22	36	22	36	27
250	22	15	15	36	27	27	27
250	22	15	22	36	27	36	27
250	22	18	18	36	32	32	27
250	22	18	22	36	32	36	27

Pressure	Tube O.D.			Approx. Dimensions			
PN	D1	D2	D3	SW1	SW2	SW3	SW4
250	22	22	18	36	36	32	27
250	28	10	28	41	19	41	36
250	28	12	28	41	22	41	36
250	28	15	28	41	27	41	36
250	28	18	28	41	32	41	36
250	28	22	22	41	36	36	36
250	28	22	28	41	36	41	36
250	28	35	28	41	50	41	41
250	35	12	35	50	22	50	41
250	35	15	35	50	27	50	41
250	35	18	35	50	32	50	41

Reducing Tee Couplings | L-Series | Other jump sizes on request



Series L

Pressure	Tube O.D.			Approx. Dimensions			
	D1	D2	D3	SW1	SW2	SW3	SW4
250	35	22	35	50	36	50	41
250	35	28	35	50	41	50	41
250	35	42	35	50	60	50	50
250	42	15	42	60	27	60	50
250	42	18	42	60	32	60	50
250	42	22	42	60	36	60	50
250	42	28	42	60	41	60	50
250	42	35	42	60	50	60	50



Series L

Pressure				Tube O.D.				Pressure				Tube O.D.			
PN				D1	D2	D3		PN				D1	D2	D3	
500	6	8	6					250	22	22	18				
500	6	10	6					250	28	10	28				
500	8	6	8					250	28	12	28				
500	8	10	8					250	28	15	28				
400	8	12	8					250	28	18	28				
500	10	6	10					250	28	22	22				
500	10	8	10					250	28	22	28				
500	10	10	6					250	28	35	28				
400	10	12	10					250	35	12	35				
400	10	15	10					250	35	15	35				
400	12	6	12					250	35	18	35				
400	12	8	8												
400	12	8	12												
400	12	10	10												
400	12	10	12												
400	12	12	10												
400	12	15	12												
400	12	18	12												
400	15	6	15												
400	15	8	15												
400	15	10	15												
400	15	12	12												
400	15	12	15												
400	15	15	12												
250	15	22	15												
400	18	8	18												
400	18	10	10												
400	18	10	18												
400	18	12	18												
400	18	15	18												
400	18	18	10												
250	22	10	22												
250	22	12	22												
250	22	15	15												
250	22	15	22												
250	22	18	18												
250	22	18	22												

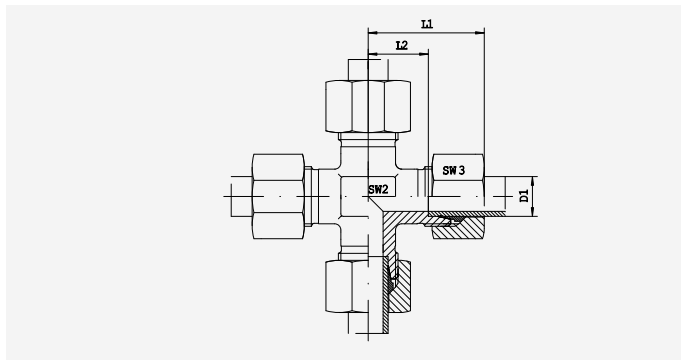
Reducing Tee Couplings | L-Series | Other jump sizes on request



Series L

Pressure	Tube O.D.		
	D1	D2	D3
PN			
250	35	22	35
250	35	28	35
250	35	42	35
250	42	15	42
250	42	18	42
250	42	22	42
250	42	28	42
250	42	35	42

KV - EQUAL CROSSES



Series LL

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
100	4	21	11,0	7	10
100	6	21	9,5	9	12
100	8	23	11,5	12	14

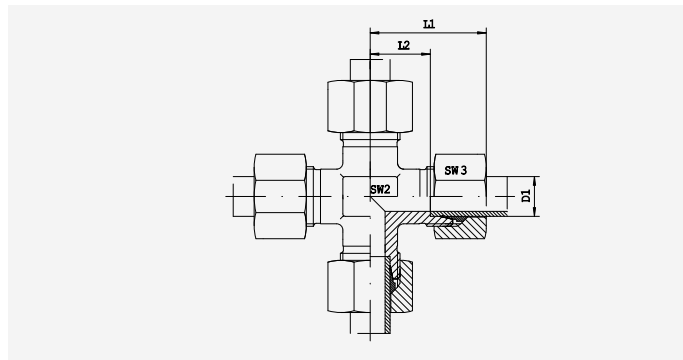
Series L

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
315	6	27	12,0	12	14
315	8	29	14,0	12	17
315	10	30	15,0	14	19
315	12	32	17,0	17	22
315	15	36	21,0	19	27
315	18	40	23,5	24	32
160	22	44	27,5	27	36
160	28	47	30,5	36	41
160	35	56	34,5	41	50
160	42	63	40,0	50	60

Series S

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
630	6	31	16,0	12	17
630	8	32	17,0	14	19
630	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
400	16	43	24,5	24	30
400	20	48	26,5	27	36
400	25	54	30,0	36	46
400	30	62	35,5	41	50
315	38	72	41,0	50	60

KV - EQUAL CROSSES



Series L

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
315	6	27	12,0	12	14
315	8	29	14,0	12	17
315	10	30	15,0	14	19
315	12	32	17,0	17	22
315	15	36	21,0	19	27
315	18	40	23,5	24	32
160	22	44	27,5	27	36
160	28	47	30,5	36	41
160	35	56	34,5	41	50
160	42	63	40,0	50	60

Series S

Pressure	Tube O.D.	Approx. Dimensions			
PN	D1	L1	L2	SW2	SW3
630	6	31	16,0	12	17
630	8	32	17,0	14	19
630	10	34	17,5	17	22
630	12	38	21,5	17	24
630	14	40	22,0	19	27
400	16	43	24,5	24	30
400	20	48	26,5	27	36
400	25	54	30,0	36	46
400	30	62	35,5	41	50
315	38	72	41,0	50	60



Series LL

Pressure	Tube O.D.
PN	D1
100	4
100	6
100	8

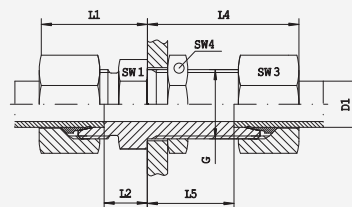
Series L

Pressure	Tube O.D.
PN	D1
315	6
315	8
315	10
315	12
315	15
315	18
160	22
160	28
160	35
160	42

Series S

Pressure	Tube O.D.
PN	D1
630	6
630	8
630	10
630	12
630	14
400	16
400	20
400	25
400	30
315	38

Straight Bulkhead Connections



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L4	L5	SW1	SW3	SW4
100	4	M 8 x 1	19	7,0	23	11,0	11	10	11
100	6	M 10 x 1							
100	8	M 12 x 1							

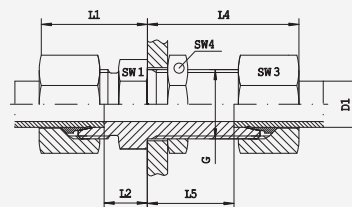
Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L4	L5	SW1	SW3	SW4
500	6	M 12 x 1,5	22	7,0	42	27,0	17	14	17
500	8	M 14 x 1,5	23	8,0	42	27,0	19	17	19
500	10	M 16 x 1,5	25	10,0	43	28,0	22	19	22
400	12	M 18 x 1,5	25	10,0	44	29,0	24	22	24
400	15	M 22 x 1,5	27	12,0	46	31,0	27	27	30
400	18	M 26 x 1,5	30	13,5	49	32,5	32	32	36
250	22	M 30 x 2	33	16,5	51	34,5	36	36	41
250	28	M 36 x 2	35	18,5	52	35,5	41	41	46
250	35	M 45 x 2	40	18,5	58	36,5	50	50	55
250	42	M 52 x 2	42	19,0	59	36,0	60	60	65

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L4	L5	SW1	SW3	SW4
800	6	M 14 x 1,5	27	12,0	44	29,0	19	17	19
800	8	M 16 x 1,5	28	13,0	44	29,0	22	19	22
800	10	M 18 x 1,5	31	14,5	46	29,5	24	22	24
630	12	M 20 x 1,5	31	14,5	47	30,5	27	24	27
630	14	M 22 x 1,5	35	17,0	50	32,0	30	27	30
630	16	M 24 x 1,5	35	16,5	50	31,5	32	30	32
420	20	M 30 x 2	39	17,5	55	33,5	41	36	41
420	25	M 36 x 2	44	20,0	59	35,0	46	46	46
420	30	M 42 x 2	48	21,5	64	37,5	50	50	50
420	38	M 52 x 2	53	22,0	68	37,0	65	60	65

Straight Bulkhead Connections



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L4	L5	SW1	SW3	SW4
500	6	M 12 x 1,5	22	7,0	42	27,0	17	14	17
500	8	M 14 x 1,5	23	8,0	42	27,0	19	17	19
500	10	M 16 x 1,5	25	10,0	43	28,0	22	19	22
400	12	M 18 x 1,5	25	10,0	44	29,0	24	22	24
400	15	M 22 x 1,5	27	12,0	46	31,0	27	27	30
400	18	M 26 x 1,5	30	13,5	49	32,5	32	32	36
250	22	M 30 x 2	33	16,5	51	34,5	36	36	41
250	28	M 36 x 2	35	18,5	52	35,5	41	41	46
250	35	M 45 x 2	40	18,5	58	36,5	50	50	55
250	42	M 52 x 2	42	19,0	59	36,0	60	60	65

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L4	L5	SW1	SW3	SW4
800	6	M 14 x 1,5	27	12,0	44	29,0	19	17	19
800	8	M 16 x 1,5	28	13,0	44	29,0	22	19	22
800	10	M 18 x 1,5	31	14,5	46	29,5	24	22	24
630	12	M 20 x 1,5	31	14,5	47	30,5	27	24	27
630	14	M 22 x 1,5	35	17,0	50	32,0	30	27	30
630	16	M 24 x 1,5	35	16,5	50	31,5	32	30	32
420	20	M 30 x 2	39	17,5	55	33,5	41	36	41
420	25	M 36 x 2	44	20,0	59	35,0	46	46	46
420	30	M 42 x 2	48	21,5	64	37,5	50	50	50
420	38	M 52 x 2	53	22,0	68	37,0	65	60	65

Straight Bulkhead Connection Bodies



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	M 8 x 1
100	6	M 10 x 1
100	8	M 12 x 1

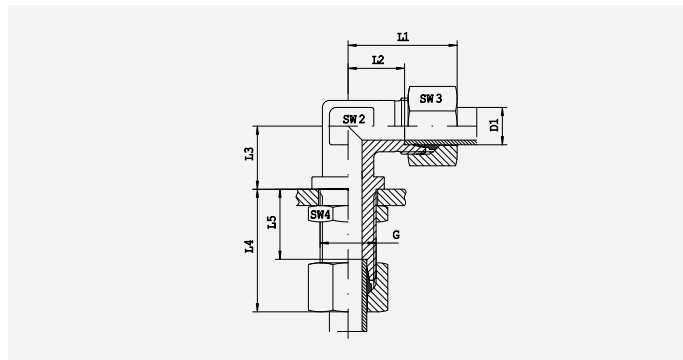
Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 12 x 1,5
500	8	M 14 x 1,5
500	10	M 16 x 1,5
400	12	M 18 x 1,5
400	15	M 22 x 1,5
400	18	M 26 x 1,5
250	22	M 30 x 2
250	28	M 36 x 2
250	35	M 45 x 2
250	42	M 52 x 2

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
800	6	M 14 x 1,5
800	8	M 16 x 1,5
800	10	M 18 x 1,5
630	12	M 20 x 1,5
630	14	M 22 x 1,5
630	16	M 24 x 1,5
420	20	M 30 x 2
420	25	M 36 x 2
420	30	M 42 x 2
420	38	M 52 x 2

Bulkhead Elbow Couplings



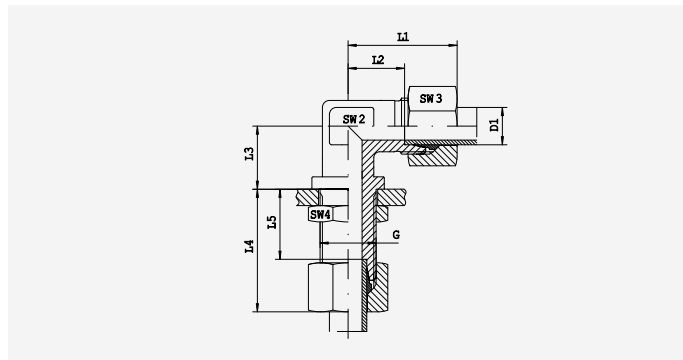
Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions							
PN	D1	G	L1	L2	L3	L4	L5	SW2	SW3	SW4
315	6	M 12 x 1,5	27	12,0	14	42	27,0	12	14	14
315	8	M 14 x 1,5	29	14,0	17	42	27,0	12	17	17
315	10	M 16 x 1,5	30	15,0	18	43	28,0	14	19	19
315	12	M 18 x 1,5	32	17,0	20	44	29,0	17	22	22
315	15	M 22 x 1,5	36	21,0	23	46	31,0	19	27	27
315	18	M 26 x 1,5	40	23,0	24	49	32,5	24	32	32
160	22	M 30 x 2	44	27,0	30	51	34,5	27	36	36
160	28	M 36 x 2	47	30,0	34	52	35,5	36	41	41
160	35	M 45 x 2	56	34,0	39	58	36,5	41	50	50
160	42	M 52 x 2	63	40,0	43	59	36,0	50	60	60

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions							
PN	D1	G	L1	L2	L3	L4	L5	SW2	SW3	SW4
630	6	M 14 x 1,5	31	16,0	17	44	29,0	12	17	19
630	8	M 16 x 1,5	32	17,0	18	44	29,0	14	19	22
630	10	M 18 x 1,5	34	17,0	20	46	29,5	17	22	24
630	12	M 20 x 1,5	38	21,0	21	47	30,5	17	24	27
630	14	M 22 x 1,5	40	22,0	23	50	32,0	19	27	30
400	16	M 24 x 1,5	43	24,0	24	50	31,5	24	30	32
400	20	M 30 x 2	48	26,0	30	55	33,5	27	36	41
400	25	M 36 x 2	54	30,0	34	59	35,0	36	46	46
400	30	M 42 x 2	62	35,5	39	64	37,5	41	50	50
315	38	M 52 x 2	72	41,0	43	68	37,0	50	60	65

Bulkhead Elbow Couplings



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L4	L5	SW2	SW3	SW4
315	6	M 12 x 1,5	27	12,0	14	42	27,0	12	14	17
315	8	M 14 x 1,5	29	14,0	17	42	27,0	12	17	19
315	10	M 16 x 1,5	30	15,0	18	43	28,0	14	19	22
315	12	M 18 x 1,5	32	17,0	20	44	29,0	17	22	24
315	15	M 22 x 1,5	36	21,0	23	46	31,0	19	27	30
315	18	M 26 x 1,5	40	23,5	24	49	32,5	24	32	36
160	22	M 30 x 2	44	27,5	30	51	34,5	27	36	41
160	28	M 36 x 2	47	30,5	34	52	35,5	36	41	46
160	35	M 45 x 2	56	34,5	39	58	36,5	41	50	55
160	42	M 52 x 2	63	40,0	43	59	36,0	50	60	65

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L4	L5	SW2	SW3	SW4
630	6	M 14 x 1,5	31	16,0	17	44	29,0	12	17	19
630	8	M 16 x 1,5	32	17,0	18	44	29,0	14	19	22
630	10	M 18 x 1,5	34	17,5	20	46	29,5	17	22	24
630	12	M 20 x 1,5	38	21,5	21	47	30,5	17	24	27
630	14	M 22 x 1,5	40	22,0	23	50	32,0	19	27	30
400	16	M 24 x 1,5	43	24,5	24	50	31,5	24	30	32
400	20	M 30 x 2	48	26,5	30	55	33,5	27	36	41
400	25	M 36 x 2	54	30,0	34	59	35,0	36	46	46
400	30	M 42 x 2	62	35,5	39	64	37,5	41	50	50
315	38	M 52 x 2	72	41,0	43	68	37,0	50	60	65

Bulkhead Elbow Coupling Bodies



Series L

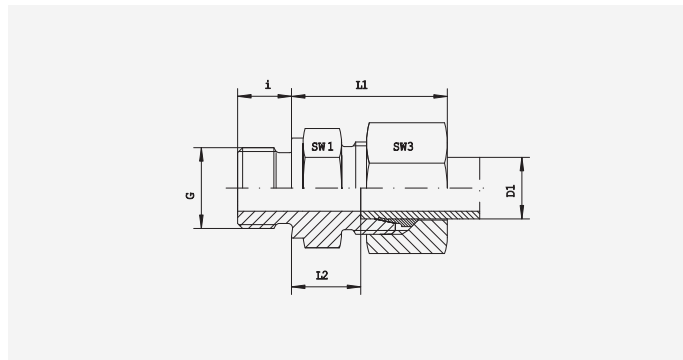
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 12 x 1,5
315	8	M 14 x 1,5
315	10	M 16 x 1,5
315	12	M 18 x 1,5
315	15	M 22 x 1,5
315	18	M 26 x 1,5
160	22	M 30 x 2
160	28	M 36 x 2
160	35	M 45 x 2
160	42	M 52 x 2

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 14 x 1,5
630	8	M 16 x 1,5
630	10	M 18 x 1,5
630	12	M 20 x 1,5
630	14	M 22 x 1,5
400	16	M 24 x 1,5
400	20	M 30 x 2
400	25	M 36 x 2
400	30	M 42 x 2
315	38	M 52 x 2

GE - COUPLINGS

Male Stud Couplings | LL- and L-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



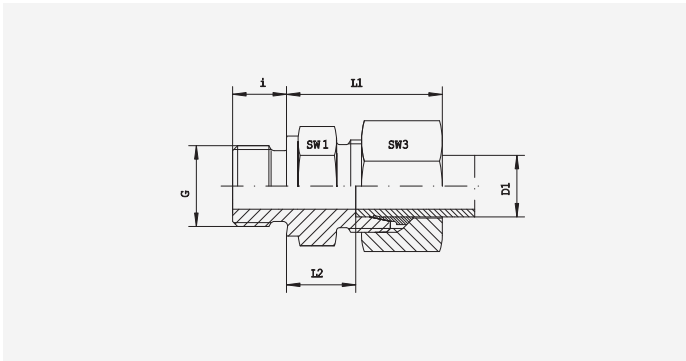
Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
100	4	G 1/8"	19,0	9,5	8	14	10
100	6	G 1/8"	20,0	9,5	8	14	12
100	8	G 1/8"		9,0	8	14	14

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
315	6	G 1/8"	23,0	8,5	8	14	14
315	6	G 1/4"	27,0	9,0	12	19	14
315	6	G 3/8"	27,0	11,5	12	22	14
315	6	G 1/2"	29,0	12,0	14	27	14
315	8	G 1/8"	26,0	9,5	8	14	17
315	8	G 1/4"	25,0	10,0	12	19	17
315	8	G 3/8"	28,5	11,5	12	22	17
315	8	G 1/2"	28,5	13,0	14	27	17
315	10	G 1/8"	27,5	11,0	8	17	19
315	10	G 1/4"	26,0	11,0	12	19	19
315	10	G 3/8"	30,5	12,5	12	22	19
315	10	G 1/2"	32,5	13,0	14	27	19
315	10	G 3/4"			16	32	19
315	12	G 1/8"	29,0	11,0	8	19	22
315	12	G 1/4"	30,0	12,0	12	19	22
315	12	G 3/8"	27,0	12,5	12	22	22
315	12	G 1/2"	31,0	13,0	14	27	22
315	12	G 3/4"	31,0	14,0	16	32	22
315	15	G 1/4"	32,0	13,0	12	24	27
315	15	G 3/8"	31,0	13,5	12	24	27
315	15	G 1/2"	29,0	14,0	14	27	27
315	15	G 3/4"	32,5	15,0	16	32	27
315	15	G 1"			18	41	27
315	18	G 3/8"	31,0	12,5	12	27	32
315	18	G 1/2"	31,0	14,5	14	27	32
315	18	G 3/4"	34,0	14,5	16	32	32
315	18	G 1"		16,5	18	41	32
160	22	G 3/8"	49,0	16,0	12	32	36
160	22	G 1/2"	37,0	16,5	14	32	36

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
160	22	G 3/4"	33,0	16,5	16	32	36
160	22	G 1"	38,0	17,5	18	41	36
160	22	G 1 1/4"			20	50	36
160	28	G 1/2"		17,5	14	41	41
160	28	G 3/4"	38,0	17,5	16	41	41
160	28	G 1"	34,0	17,5	18	41	41
160	28	G 1 1/4"		18,5	20	50	41
160	28	G 1 1/2"	43,0	20,5	22	55	41
160	35	G 3/4"	42,0	18,5	16	46	50
160	35	G 1"	42,0	17,5	18	46	50
160	35	G 1 1/4"	39,0	17,5	20	50	50

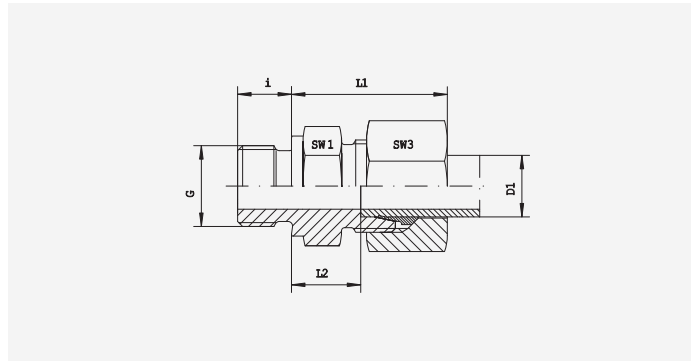


Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
160	35	G 1 1/2"	44,0	19,5	22	55	50	
160	42	G 1"	47,0	19,0	18	55	60	
160	42	G 1 1/4"	47,0	19,0	20	55	60	
160	42	G 1 1/2"	47,0	19,0	22	55	60	
160	42	G 2"				70	60	

GE - COUPLINGS

Male Stud Couplings | L-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
315	6	G 1/8"	23,0	8,5	8	14	14
315	6	G 1/4"	27,0	9,0	12	19	14
315	6	G 3/8"	27,0	11,5	12	22	14
315	6	G 1/2"	29,0	12,0	14	27	14
315	8	G 1/8"	26,0	9,5	8	14	17
315	8	G 1/4"	25,0	10,0	12	19	17
315	8	G 3/8"	28,5	11,5	12	22	17
315	8	G 1/2"	28,5	13,0	14	27	17
315	10	G 1/8"	27,5	11,0	8	17	19
315	10	G 1/4"	26,0	11,0	12	19	19
315	10	G 3/8"	30,5	12,5	12	22	19
315	10	G 1/2"	32,5	13,0	14	27	19
315	10	G 3/4"			16	32	19
315	12	G 1/8"	29,0	11,0	8	19	22
315	12	G 1/4"	30,0	12,0	12	19	22
315	12	G 3/8"	27,0	12,5	12	22	22
315	12	G 1/2"	31,0	13,0	14	27	22
315	12	G 3/4"	31,0	14,0	16	32	22
315	15	G 1/4"	32,0	13,0	12	24	27
315	15	G 3/8"	31,0	13,5	12	24	27
315	15	G 1/2"	29,0	14,0	14	27	27
315	15	G 3/4"	32,5	15,0	16	32	27
315	15	G 1"			18	41	27
315	18	G 3/8"	31,0	12,5	12	27	32
315	18	G 1/2"	31,0	14,5	14	27	32
315	18	G 3/4"	34,0	14,5	16	32	32
315	18	G 1"		16,5	18	41	32
160	22	G 3/8"	49,0	16,0	12	32	36
160	22	G 1/2"	37,0	16,5	14	32	36
160	22	G 3/4"	33,0	16,5	16	32	36
160	22	G 1"	38,0	17,5	18	41	36
160	22	G 1 1/4"			20	50	36
160	28	G 1/2"		17,5	14	41	41
160	28	G 3/4"	38,0	17,5	16	41	41
160	28	G 1"	34,0	17,5	18	41	41
160	28	G 1 1/4"		18,5	20	50	41
160	28	G 1 1/2"	43,0	20,5	22	55	41

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
160	35	G 3/4"	42,0	18,5	16	46	50	
160	35	G 1"	42,0	17,5	18	46	50	
160	35	G 1 1/4"	39,0	17,5	20	50	50	
160	35	G 1 1/2"	44,0	19,5	22	55	50	
160	42	G 1"	47,0	19,0	18	55	60	
160	42	G 1 1/4"	47,0	19,0	20	55	60	
160	42	G 1 1/2"	47,0	19,0	22	55	60	
160	42	G 2"				70	60	

GE - COUPLINGS

Male Stud Couplings | LL- and L-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread	Pressure	Tube O.D.	Thread
PN	D1	G	PN	D1	G
315	6	G 1/8"	160	22	G 3/4"
315	6	G 1/4"	160	22	G 1"
315	6	G 3/8"	160	22	G 1 1/4"
315	6	G 1/2"	160	28	G 1/2"
315	8	G 1/8"	160	28	G 3/4"
315	8	G 1/4"	160	28	G 1"
315	8	G 3/8"	160	28	G 1 1/4"
315	8	G 1/2"	160	28	G 1 1/2"
315	10	G 1/8"	160	35	G 3/4"
315	10	G 1/4"	160	35	G 1"
315	10	G 3/8"	160	35	G 1 1/4"
315	10	G 1/2"			
315	10	G 3/4"			
315	12	G 1/8"			
315	12	G 1/4"			
315	12	G 3/8"			
315	12	G 1/2"			
315	12	G 3/4"			
315	15	G 1/4"			
315	15	G 3/8"			
315	15	G 1/2"			
315	15	G 3/4"			
315	15	G 1"			
315	18	G 3/8"			
315	18	G 1/2"			
315	18	G 3/4"			
315	18	G 1"			
160	22	G 3/8"			
160	22	G 1/2"			

Male Stud Coupling Bodies | LL- and L-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B

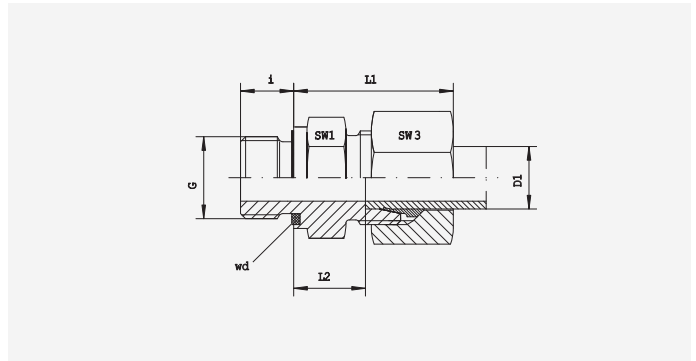


Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
160	35	G 1 1/2"
160	42	G 1"
160	42	G 1 1/4"
160	42	G 1 1/2"
160	42	G 2"

GE - COUPLINGS

Male Stud Couplings | LL- and L-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series LL

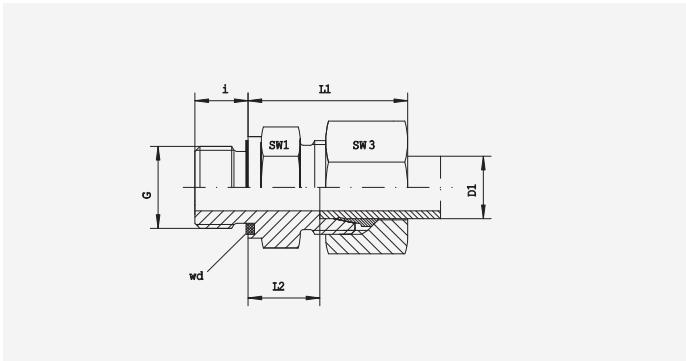
Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
100	4	G 1/8"	19,0	9,5	8	14	10	
100	6	G 1/8"	20,0	9,5	8	14	12	
100	8	G 1/8"		9,0	8	14	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
500	6	G 1/8"	23,0	8,5	8	14	14	
500	6	G 1/4"	27,0	9,0	12	19	14	
400	6	G 3/8"	27,0	11,5	12	22	14	
400	6	G 1/2"	29,0	12,0	14	27	14	
500	8	G 1/8"	26,0	9,5	8	14	17	
500	8	G 1/4"	25,0	10,0	12	19	17	
400	8	G 3/8"	28,5	11,5	12	22	17	
400	8	G 1/2"	28,5	13,0	14	27	17	
500	10	G 1/8"	27,5	11,0	8	17	19	
500	10	G 1/4"	26,0	11,0	12	19	19	
400	10	G 3/8"	30,5	12,5	12	22	19	
400	10	G 1/2"	32,5	13,0	14	27	19	
250	10	G 3/4"		14,0	16	32	19	
400	12	G 1/8"	29,0	11,0	8	19	22	
400	12	G 1/4"	30,0	12,0	12	19	22	
400	12	G 3/8"	27,0	12,5	12	22	22	
400	12	G 1/2"	31,0	13,0	14	27	22	
250	12	G 3/4"	31,0	14,0	16	32	22	
400	15	G 1/4"	32,0	13,0	12	24	27	
400	15	G 3/8"	31,0	13,5	12	24	27	
400	15	G 1/2"	29,0	14,0	14	27	27	
250	15	G 3/4"	32,5	15,0	16	32	27	
250	15	G 1"		16,0	18	41	27	
400	18	G 1/4"		13,5	12	27	32	
400	18	G 3/8"	33,0	12,5	12	27	32	
400	18	G 1/2"	31,0	14,5	14	27	32	
315	18	G 3/4"	34,0	14,5	16	32	32	
250	18	G 1"		16,5	18	41	32	
250	22	G 3/8"	49,0	16,0	12	32	36	

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
250	22	G 1/2"	37,0	16,5	14	32	36	
250	22	G 3/4"	33,0	16,5	16	32	36	
250	22	G 1"	38,0	17,5	18	41	36	
250	22	G 1 1/4"		18,5	20	50	36	
250	28	G 1/2"		17,5	14	41	41	
250	28	G 3/4"	38,0	17,5	16	41	41	
250	28	G 1"	34,0	17,5	18	41	41	
250	28	G 1 1/4"		18,5	20	50	41	
250	28	G 1 1/2"	43,0	20,5	22	55	41	
250	35	G 1/2"	42,0	17,5	14	46	50	
250	35	G 3/4"	42,0	18,5	16	46	50	

Male Stud Couplings | LL- and L-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton

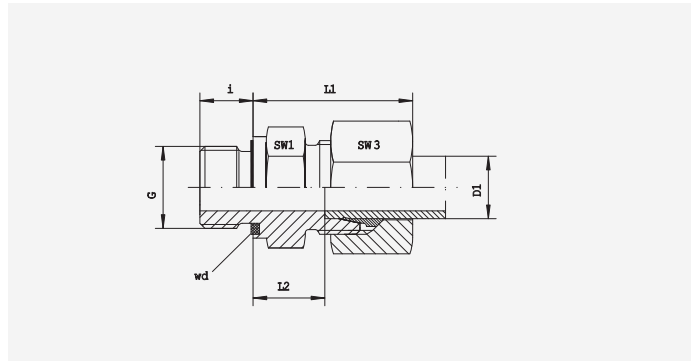


Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
250	35	G 1"	42,0	17,5	18	46	50	
250	35	G 1 1/4"	39,0	17,5	20	50	50	
250	35	G 1 1/2"	44,0	19,5	22	55	50	
250	42	G 1"	47,0	19,0	18	55	60	
250	42	G 1 1/4"	47,0	19,0	20	55	60	
250	42	G 1 1/2"	47,0	19,0	22	55	60	
250	42	G 2"		21,0	23	70	60	

GE - COUPLINGS

Male Stud Couplings | L-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
500	6	G 1/8"	23,0	8,5	8	14	14
500	6	G 1/4"	27,0	9,0	12	19	14
400	6	G 3/8"	27,0	11,5	12	22	14
400	6	G 1/2"	29,0	12,0	14	27	14
500	8	G 1/8"	26,0	9,5	8	14	17
500	8	G 1/4"	25,0	10,0	12	19	17
400	8	G 3/8"	28,5	11,5	12	22	17
400	8	G 1/2"	28,5	13,0	14	27	17
500	10	G 1/8"	27,5	11,0	8	17	19
500	10	G 1/4"	26,0	11,0	12	19	19
400	10	G 3/8"	30,5	12,5	12	22	19
400	10	G 1/2"	32,5	13,0	14	27	19
250	10	G 3/4"			16	32	19
400	12	G 1/8"	29,0	11,0	8	19	22
400	12	G 1/4"	30,0	12,0	12	19	22
400	12	G 3/8"	27,0	12,5	12	22	22
400	12	G 1/2"	31,0	13,0	14	27	22
250	12	G 3/4"	31,0	14,0	16	32	22
400	15	G 1/4"	32,0	13,0	12	24	27
400	15	G 3/8"	31,0	13,5	12	24	27
400	15	G 1/2"	29,0	14,0	14	27	27
250	15	G 3/4"	32,5	15,0	16	32	27
250	15	G 1"			18	41	27
400	18	G 1/4"		13,5	12	27	32
400	18	G 3/8"	33,0	12,5	12	27	32
400	18	G 1/2"	31,0	14,5	14	27	32
315	18	G 3/4"	34,0	14,5	16	32	32
250	18	G 1"		16,5	18	41	32
250	22	G 3/8"	49,0	16,0	12	32	36
250	22	G 1/2"	37,0	16,5	14	32	36
250	22	G 3/4"	33,0	16,5	16	32	36
250	22	G 1"	38,0	17,5	18	41	36
250	22	G 1 1/4"			20	50	36
250	28	G 1/2"		17,5	14	41	41
250	28	G 3/4"	38,0	17,5	16	41	41
250	28	G 1"	34,0	17,5	18	41	41
250	28	G 1 1/4"		18,5	20	50	41

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
250	28	G 1 1/2"	43,0	20,5	22	55	41	
250	35	G 1/2"	42,0	17,5	14	46	50	
250	35	G 3/4"		18,5	16	46	50	
250	35	G 1"	42,0	17,5	18	46	50	
250	35	G 1 1/4"	39,0	17,5	20	50	50	
250	35	G 1 1/2"	44,0	19,5	22	55	50	
250	42	G 1"	47,0	19,0	18	55	60	
250	42	G 1 1/4"	47,0	19,0	20	55	60	
250	42	G 1 1/2"	47,0	19,0	22	55	60	
250	42	G 2"		21,0	23	70	60	

GE - COUPLINGS

Male Stud Coupling Bodies | LL- and L-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread	Pressure	Tube O.D.	Thread
PN	D1	G	PN	D1	G
500	6	G 1/8"	250	22	G 1/2"
500	6	G 1/4"	250	22	G 3/4"
400	6	G 3/8"	250	22	G 1"
400	6	G 1/2"	250	22	G 1 1/4"
500	8	G 1/8"	250	28	G 1/2"
500	8	G 1/4"	250	28	G 3/4"
400	8	G 3/8"	250	28	G 1"
400	8	G 1/2"	250	28	G 1 1/4"
500	10	G 1/8"	250	28	G 1 1/2"
500	10	G 1/4"	250	35	G 1/2"
400	10	G 3/8"	250	35	G 3/4"
400	10	G 1/2"			
250	10	G 3/4"			
400	12	G 1/8"			
400	12	G 1/4"			
400	12	G 3/8"			
400	12	G 1/2"			
250	12	G 3/4"			
400	15	G 1/4"			
400	15	G 3/8"			
400	15	G 1/2"			
250	15	G 3/4"			
250	15	G 1"			
400	18	G 1/4"			
400	18	G 3/8"			
400	18	G 1/2"			
315	18	G 3/4"			
250	18	G 1"			
250	22	G 3/8"			

Male Stud Couplings Bodies | LL- and L-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton

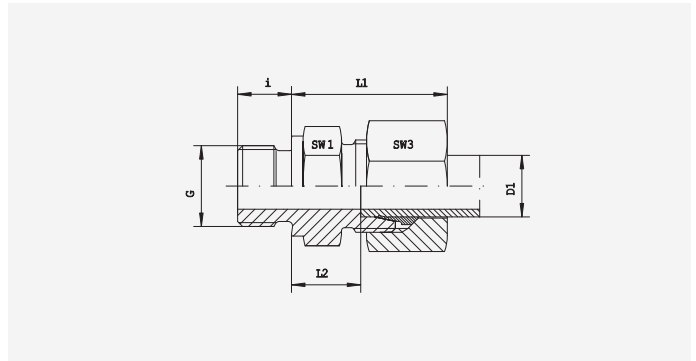


Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
250	35	G 1"
250	35	G 1 1/4"
250	35	G 1 1/2"
250	42	G 1"
250	42	G 1 1/4"
250	42	G 1 1/2"
250	42	G 2"

GE - COUPLINGS

Male Stud Couplings | S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



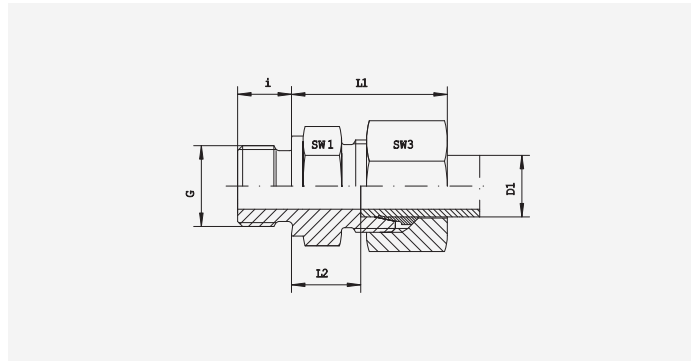
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
630	6	G 1/8"	28,0	13,0	8	14	17	
630	6	G 1/4"	28,0	13,0	12	19	17	
630	6	G 3/8"	30,0	15,5	12	22	19	
630	6	G 1/2"	34,0	17,0	14	27	19	
630	8	G 1/8"		14,0	8	17	19	
630	8	G 1/4"	30,0	15,0	12	19	19	
630	8	G 3/8"		15,5	12	22	19	
630	8	G 1/2"		15,0	14	27	19	
630	10	G 1/8"		13,5	8	19	22	
630	10	G 1/4"		14,5	12	19	22	
630	10	G 3/8"	31,0	15,0	12	22	22	
630	10	G 1/2"		13,5	14	27	22	
630	10	G 3/4"			16	32	22	
630	12	G 1/4"		16,5	12	22	24	
630	12	G 3/8"	33,0	17,0	12	22	24	
630	12	G 1/2"	34,0	17,5	14	27	24	
630	12	G 3/4"	36,0	17,5	16	32	24	
630	14	G 1/4"	37,0	17,0	12	24	27	
630	14	G 3/8"	37,0	17,0	12	24	27	
630	14	G 1/2"	37,0	19,0	14	27	27	
400	14	G 3/4"		19,0	16	32	27	
400	16	G 1/4"	38,0	17,5	12	27	30	
400	16	G 3/8"		18,0	12	27	30	
400	16	G 1/2"	37,0	18,5	14	27	30	
400	16	G 3/4"	39,0	20,5	16	32	30	
400	16	G 1"	43,5	22,5	18	41	30	
400	20	G 3/8"		18,0	12	32	36	
400	20	G 1/2"		20,5	14	32	36	
400	20	G 3/4"	42,0	20,5	16	32	36	
400	20	G 1"		22,5	18	41	36	
400	20	G 1 1/4"		22,5	20	50	36	
400	25	G 1/2"		23,0	14	41	46	
400	25	G 3/4"		23,0	16	41	46	
400	25	G 1"	47,0	23,0	18	41	46	
250	25	G 1 1/4"		23,0	20	50	46	
250	30	G 3/4"		25,5	16	46	50	
250	30	G 1"	50,0	23,5	18	46	50	

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
250	30	G 1 1/4"	50,0	23,5	20	50	50	
250	30	G 1 1/2"	50,0	23,5	22	55	50	
250	38	G 1"	42,0	26,0	18	55	50	
250	38	G 1 1/4"		23,0	20	55	60	
250	38	G 1 1/2"	57,0	26,0	22	55	60	
250	38	G 2"				70	60	

GE - COUPLINGS - SILVER COATED

Male Stud Couplings | S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	G 1/8"	28,0	13,0	8	14	17
630	6	G 1/4"	28,0	13,0	12	19	17
630	6	G 3/8"	30,0	15,5	12	22	19
630	6	G 1/2"	34,0	17,0	14	27	19
630	8	G 1/8"		14,0	8	17	19
630	8	G 1/4"	30,0	15,0	12	19	19
630	8	G 3/8"		15,5	12	22	19
630	8	G 1/2"		15,0	14	27	19
630	10	G 1/8"		13,5	8	19	22
630	10	G 1/4"		14,5	12	19	22
630	10	G 3/8"	31,0	15,0	12	22	22
630	10	G 1/2"		13,5	14	27	22
630	10	G 3/4"			16	32	22
630	12	G 1/4"		16,5	12	22	24
630	12	G 3/8"	33,0	17,0	12	22	24
630	12	G 1/2"	34,0	17,5	14	27	24
630	12	G 3/4"	36,0	17,5	16	32	24
630	14	G 1/4"	37,0	17,0	12	24	27
630	14	G 3/8"	37,0	17,0	12	24	27
630	14	G 1/2"	37,0	19,0	14	27	27
400	14	G 3/4"		19,0	16	32	27
400	16	G 1/4"	38,0	17,5	12	27	30
400	16	G 3/8"		18,0	12	27	30
400	16	G 1/2"	37,0	18,5	14	27	30
400	16	G 3/4"	39,0	20,5	16	32	30
400	16	G 1"	43,5	22,5	18	41	30
400	20	G 3/8"		18,0	12	32	36
400	20	G 1/2"		20,5	14	32	36
400	20	G 3/4"	42,0	20,5	16	32	36
400	20	G 1"		22,5	18	41	36
400	20	G 1 1/4"		22,5	20	50	36
400	25	G 1/2"		23,0	14	41	46
400	25	G 3/4"		23,0	16	41	46
400	25	G 1"	47,0	23,0	18	41	46
250	25	G 1 1/4"		23,0	20	50	46
250	30	G 3/4"		25,5	16	46	50
250	30	G 1"	50,0	23,5	18	46	50

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
250	30	G 1 1/4"	50,0	23,5	20	50	50
250	30	G 1 1/2"	50,0	23,5	22	55	50
250	38	G 1"	42,0	26,0	18	55	50
250	38	G 1 1/4"		23,0	20	55	60
250	38	G 1 1/2"	57,0	26,0	22	55	60
250	38	G 2"				70	60

GE - COUPLINGS

Male Stud Coupling Bodies | S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B

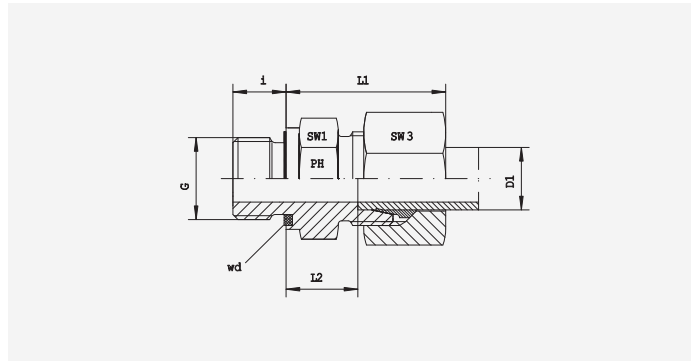


Series LL

Pressure	Tube O.D.	Thread	Pressure	Tube O.D.	Thread
PN	D1	G	PN	D1	G
630	6	G 1/8"	250	30	G 1 1/4"
630	6	G 1/4"	250	30	G 1 1/2"
630	6	G 3/8"	250	38	G 1"
630	6	G 1/2"	250	38	G 1 1/4"
630	8	G 1/8"	250	38	G 1 1/2"
630	8	G 1/4"	250	38	G 2"
630	8	G 3/8"			
630	8	G 1/2"			
630	10	G 1/8"			
630	10	G 1/4"			
630	10	G 3/8"			
630	10	G 1/2"			
630	10	G 3/4"			
630	12	G 1/4"			
630	12	G 3/8"			
630	12	G 1/2"			
630	12	G 3/4"			
630	14	G 1/4"			
630	14	G 3/8"			
630	14	G 1/2"			
400	14	G 3/4"			
400	16	G 1/4"			
400	16	G 3/8"			
400	16	G 1/2"			
400	16	G 3/4"			
400	16	G 1"			
400	20	G 3/8"			
400	20	G 1/2"			
400	20	G 3/4"			
400	20	G 1"			
400	20	G 1 1/4"			
400	25	G 1/2"			
400	25	G 3/4"			
400	25	G 1"			
250	25	G 1 1/4"			
250	30	G 3/4"			
250	30	G 1"			

GE - COUPLINGS

Male Stud Couplings | S-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



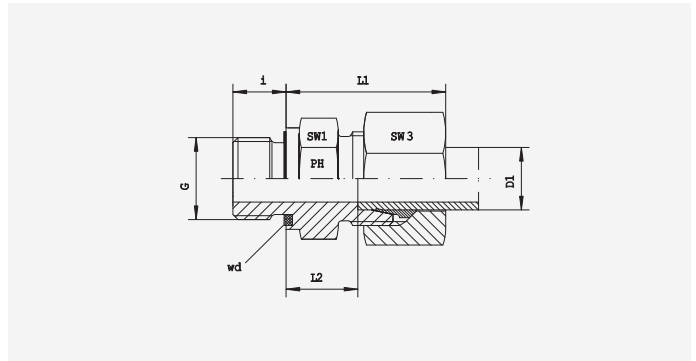
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
800	6	G 1/8"	28,0	13,0	8		17	
800	6	G 1/4"	28,0	13,0	12	19	17	
800	6	G 3/8"	30,0	15,5	12	22	19	
630	6	G 1/2"	34,0	17,0	14	27	19	
800	8	G 1/8"		14,0	8	17	19	
800	8	G 1/4"	30,0	15,0	12	19	19	
800	8	G 3/8"		15,5	12	22	19	
630	8	G 1/2"		15,0	14	27	19	
800	10	G 1/8"		13,5	8	19	22	
800	10	G 1/4"		14,5	12	19	22	
800	10	G 3/8"	31,0	15,0	12	22	22	
630	10	G 1/2"		13,5	14	27	22	
420	10	G 3/4"	36,0	17,5	16	32	22	
630	12	G 1/4"		16,5	12	22	24	
630	12	G 3/8"	33,0	17,0	12	22	24	
630	12	G 1/2"	34,0	17,5	14	27	24	
420	12	G 3/4"	36,0	17,5	16	32	24	
630	14	G 1/4"	37,0	17,0	12	24	27	
630	14	G 3/8"	37,0	17,0	12	24	27	
630	14	G 1/2"	37,0	19,0	14	27	27	
420	14	G 3/4"		19,0	16	32	27	
630	16	G 1/4"	38,0	17,5	12	27	30	
630	16	G 3/8"		18,0	12	27	30	
630	16	G 1/2"	37,0	18,5	14	27	30	
420	16	G 3/4"	39,0	20,5	16	32	30	
420	16	G 1"	43,5	22,5	18	41	30	
420	20	G 3/8"		18,0	12	32	36	
420	20	G 1/2"		20,5	14	32	36	
420	20	G 3/4"	42,0	20,5	16	32	36	
420	20	G 1"		22,5	18	41	36	
420	20	G 1 1/4"		22,5	20	50	36	
420	25	G 1/2"		23,0	14	41	46	
420	25	G 3/4"		23,0	16	41	46	
420	25	G 1"	47,0	23,0	18	41	46	
420	25	G 1 1/4"		23,0	20	50	46	
420	30	G 3/4"		25,5	16	46	50	
420	30	G 1"	50,0	23,5	18	46	50	

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
420	30	G 1 1/4"	50,0	23,5	20	50	50	
420	30	G 1 1/2"	50,0	23,5	22	55	50	
420	38	G 1"	42,0	26,0	18	55	50	
420	38	G 1 1/4"		23,0	20	55	60	
420	38	G 1 1/2"	57,0	26,0	22	55	60	
250	38	G 2"				70	60	

GE - COUPLINGS - SILVER COATED

Male Stud Couplings | S-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
800	6	G 1/8"	28,0	13,0	8		17
800	6	G 1/4"	28,0	13,0	12	19	17
800	6	G 3/8"	30,0	15,5	12	22	19
630	6	G 1/2"	34,0	17,0	14	27	19
800	8	G 1/8"		14,0	8	17	19
800	8	G 1/4"	30,0	15,0	12	19	19
800	8	G 3/8"		15,5	12	22	19
630	8	G 1/2"		15,0	14	27	19
800	10	G 1/8"		13,5	8	19	22
800	10	G 1/4"		14,5	12	19	22
800	10	G 3/8"	31,0	15,0	12	22	22
630	10	G 1/2"		13,5	14	27	22
420	10	G 3/4"	36,0	17,5	16	32	22
630	12	G 1/4"		16,5	12	22	24
630	12	G 3/8"	33,0	17,0	12	22	24
630	12	G 1/2"	34,0	17,5	14	27	24
420	12	G 3/4"	36,0	17,5	16	32	24
630	14	G 1/4"	37,0	17,0	12	24	27
630	14	G 3/8"		17,0	12	24	27
630	14	G 1/2"	37,0	19,0	14	27	27
420	14	G 3/4"		19,0	16	32	27
630	16	G 1/4"	38,0	17,5	12	27	30
630	16	G 3/8"		18,0	12	27	30
630	16	G 1/2"	37,0	18,5	14	27	30
420	16	G 3/4"	39,0	20,5	16	32	30
420	16	G 1"	43,5	22,5	18	41	30
420	20	G 3/8"		18,0	12	32	36
420	20	G 1/2"		20,5	14	32	36
420	20	G 3/4"	42,0	20,5	16	32	36
420	20	G 1"		22,5	18	41	36
420	20	G 1 1/4"		22,5	20	50	36
420	25	G 1/2"		23,0	14	41	46
420	25	G 3/4"		23,0	16	41	46
420	25	G 1"	47,0	23,0	18	41	46
420	25	G 1 1/4"		23,0	20	50	46
420	30	G 3/4"		25,5	16	46	50
420	30	G 1"	50,0	23,5	18	46	50

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
420	30	G 1 1/4"	50,0	23,5	20	50	50
420	30	G 1 1/2"	50,0	23,5	22	55	50
420	38	G 1"	42,0	26,0	18	55	50
420	38	G 1 1/4"		23,0	20	55	60
420	38	G 1 1/2"	57,0	26,0	22	55	60
250	38	G 2"				70	60

GE - COUPLINGS

Male Stud Coupling Bodies | S-Series | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton

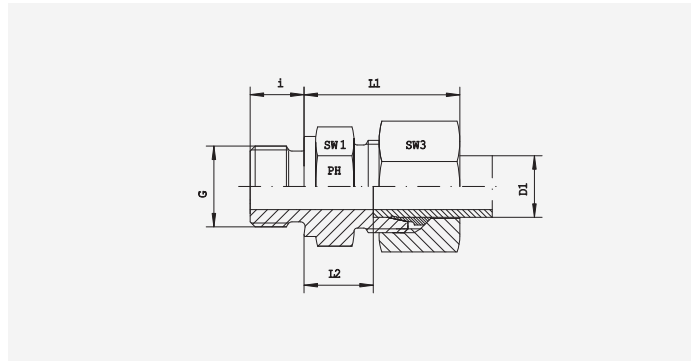


Series LL

Pressure	Tube O.D.	Thread	Pressure	Tube O.D.	Thread
PN	D1	G	PN	D1	G
800	6	G 1/8"	420	30	G 1 1/4"
800	6	G 1/4"	420	30	G 1 1/2"
800	6	G 3/8"	420	38	G 1"
630	6	G 1/2"	420	38	G 1 1/4"
800	8	G 1/8"	420	38	G 1 1/2"
800	8	G 1/4"	250	38	G 2"
800	8	G 3/8"			
630	8	G 1/2"			
800	10	G 1/8"			
800	10	G 1/4"			
800	10	G 3/8"			
630	10	G 1/2"			
420	10	G 3/4"			
630	12	G 1/4"			
630	12	G 3/8"			
630	12	G 1/2"			
420	12	G 3/4"			
630	14	G 1/4"			
630	14	G 3/8"			
630	14	G 1/2"			
420	14	G 3/4"			
630	16	G 1/4"			
630	16	G 3/8"			
630	16	G 1/2"			
420	16	G 3/4"			
420	16	G 1"			
420	20	G 3/8"			
420	20	G 1/2"			
420	20	G 3/4"			
420	20	G 1"			
420	20	G 1 1/4"			
420	25	G 1/2"			
420	25	G 3/4"			
420	25	G 1"			
420	25	G 1 1/4"			
420	30	G 3/4"			
420	30	G 1"			

GE - COUPLINGS

Male Stud Couplings | L-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B

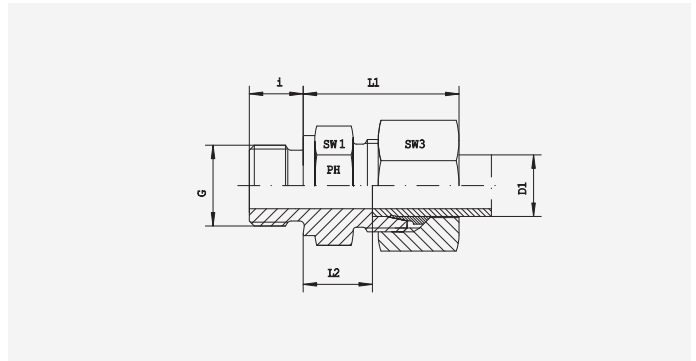


Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	23,0	8,5	8	14	14	
315	6	M 12 x 1,5		10,0	12	17	14	
315	6	M 14 x 1,5	27,0	10,0	12	19	14	
315	8	M 10 x 1	26,0	9,5	8	17	17	
315	8	M 12 x 1,5	25,0	10,0	12	17	17	
315	8	M 14 x 1,5	27,0	10,0	12	19	17	
315	8	M 16 x 1,5	27,5	11,5	12	22	17	
315	8	M 18 x 1,5	27,5	11,5	12	24	17	
315	10	M 10 x 1		11,0	8	17	19	
315	10	M 12 x 1,5	28,5	11,5	12	17	19	
315	10	M 14 x 1,5	26,0	11,0	12	19	19	
315	10	M 16 x 1,5	30,0	12,5	12	22	19	
315	10	M 18 x 1,5	30,0	12,5	12	24	19	
315	10	M 22 x 1,5		14,0	14	27	19	
315	12	M 12 x 1,5	28,0	13,0	12	19	22	
315	12	M 14 x 1,5	28,0	12,5	12	19	22	
315	12	M 16 x 1,5	27,0	12,5	12	22	22	
315	12	M 18 x 1,5	30,0	12,5	12	24	22	
315	12	M 22 x 1,5		14,0	14	27	22	
315	15	M 16 x 1,5	32,0	13,5	12	24	27	
315	15	M 18 x 1,5	29,0	13,5	12	24	27	
315	15	M 22 x 1,5	33,0	15,0	14	27	27	
315	18	M 18 x 1,5	33,0	14,0	12	27	32	
315	18	M 22 x 1,5	31,0	14,5	14	27	32	
160	18	M 26 x 1,5		14,5	16	32	32	
160	22	M 22 x 1,5	38,0	17,5	14	32	36	
160	22	M 26 x 1,5	33,0	16,5	16	32	36	
160	28	M 33 x 2	34,0	17,5	18	41	41	
160	35	M 42 x 2	39,0	17,5	20	50	50	
160	42	M 48 x 2	42,0	19,0	22	55	60	

GE - COUPLINGS - SILVER COATED

Male Stud Couplings | L-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



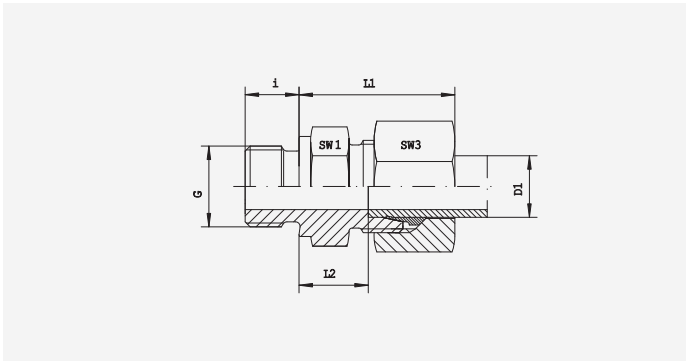
Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	23,0	8,5	8	14	14	
315	6	M 12 x 1,5		10,0	12	17	14	
315	6	M 14 x 1,5	27,0	10,0	12	19	14	
315	8	M 10 x 1	26,0	9,5	8	17	17	
315	8	M 12 x 1,5	25,0	10,0	12	17	17	
315	8	M 14 x 1,5	27,0	10,0	12	19	17	
315	8	M 16 x 1,5	27,5	11,5	12	22	17	
315	8	M 18 x 1,5	27,5	11,5	12	24	17	
315	10	M 10 x 1		11,0	8	17	19	
315	10	M 12 x 1,5	28,5	11,5	12	17	19	
315	10	M 14 x 1,5	26,0	11,0	12	19	19	
315	10	M 16 x 1,5	30,0	12,5	12	22	19	
315	10	M 18 x 1,5	30,0	12,5	12	24	19	
315	10	M 22 x 1,5		14,0	14	27	19	
315	12	M 12 x 1,5	28,0	13,0	12	19	22	
315	12	M 14 x 1,5	28,0	12,5	12	19	22	
315	12	M 16 x 1,5	27,0	12,5	12	22	22	
315	12	M 18 x 1,5	30,0	12,5	12	24	22	
315	12	M 22 x 1,5		14,0	14	27	22	
315	15	M 16 x 1,5	32,0	13,5	12	24	27	
315	15	M 18 x 1,5	29,0	13,5	12	24	27	
315	15	M 22 x 1,5	33,0	15,0	14	27	27	
315	18	M 18 x 1,5	33,0	14,0	12	27	32	
315	18	M 22 x 1,5	31,0	14,5	14	27	32	
160	18	M 26 x 1,5		14,5	16	32	32	
160	22	M 22 x 1,5	38,0	17,5	14	32	36	
160	22	M 26 x 1,5	33,0	16,5	16	32	36	
160	28	M 33 x 2	34,0	17,5	18	41	41	
160	35	M 42 x 2	39,0	17,5	20	50	50	
160	42	M 48 x 2	42,0	19,0	22	55	60	



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1
315	6	M 12 x 1,5
315	6	M 14 x 1,5
315	8	M 10 x 1
315	8	M 12 x 1,5
315	8	M 14 x 1,5
315	8	M 16 x 1,5
315	8	M 18 x 1,5
315	10	M 10 x 1
315	10	M 12 x 1,5
315	10	M 14 x 1,5
315	10	M 16 x 1,5
315	10	M 18 x 1,5
315	10	M 22 x 1,5
315	12	M 12 x 1,5
315	12	M 14 x 1,5
315	12	M 16 x 1,5
315	12	M 18 x 1,5
315	12	M 22 x 1,5
315	15	M 16 x 1,5
315	15	M 18 x 1,5
315	15	M 22 x 1,5
315	18	M 18 x 1,5
315	18	M 22 x 1,5
160	18	M 26 x 1,5
160	22	M 22 x 1,5
160	22	M 26 x 1,5
160	28	M 33 x 2
160	35	M 42 x 2
160	42	M 48 x 2

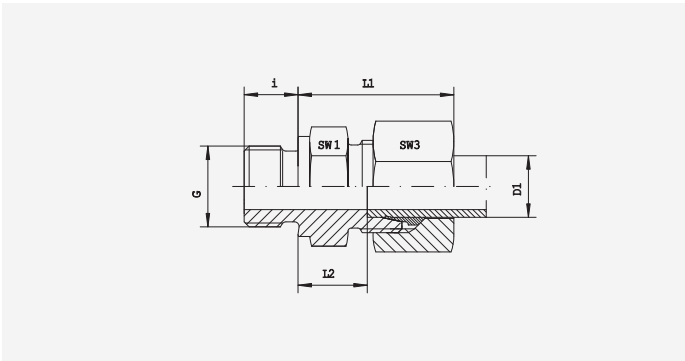


Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
630	6	M 12 x 1,5	28,0	13,0	12	17	17
630	6	M 14 x 1,5			12	19	17
630	8	M 12 x 1,5	32,0	15,0	12	17	19
630	8	M 14 x 1,5	30,0	15,0	12	19	19
630	8	M 16 x 1,5			12	22	19
630	10	M 14 x 1,5			12	19	22
630	10	M 16 x 1,5	31,0	15,0	12	22	22
630	10	M 18 x 1,5	31,0	15,0	12	24	22
630	12	M 12 x 1,5	33,5	16,5	12	22	24
630	12	M 14 x 1,5	33,0	16,0	12	22	24
630	12	M 16 x 1,5	35,5	17,0	12	22	24
630	12	M 18 x 1,5	33,0	17,0	12	24	24
630	12	M 20 x 1,5			14	27	24
400	12	M 22 x 1,5	36,5	17,5	14	27	24
630	14	M 20 x 1,5	37,0	19,0	14	27	27
400	14	M 22 x 1,5			14	27	27
400	16	M 18 x 1,5		18,0	12	27	30
400	16	M 22 x 1,5	37,0	18,5	14	27	30
400	20	M 27 x 2	42,5	20,5	16	32	36
400	25	M 33 x 2	47,0	23,0	18	41	46
250	30	M 42 x 2	50,0	23,5	20	50	50
250	38	M 48 x 2	57,0	26,0	22	55	60

GE - COUPLINGS - SILVER COATED

Male Stud Couplings | S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B

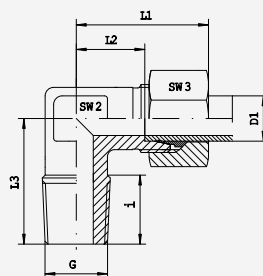


Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
630	6	M 12 x 1,5	28,0	13,0	12	17	17
630	6	M 14 x 1,5			12	19	17
630	8	M 12 x 1,5	32,0	15,0	12	17	19
630	8	M 14 x 1,5	30,0	15,0	12	19	19
630	8	M 16 x 1,5			12	22	19
630	10	M 14 x 1,5			12	19	22
630	10	M 16 x 1,5	31,0	15,0	12	22	22
630	10	M 18 x 1,5	31,0	15,0	12	24	22
400	12	M 12 x 1,5	33,5	16,5	12	22	24
630	12	M 14 x 1,5	33,0	16,0	12	22	24
630	12	M 16 x 1,5	35,5	17,0	12	22	24
630	12	M 18 x 1,5	33,0	17,0	12	24	24
630	12	M 20 x 1,5			14	27	24
400	12	M 22 x 1,5	36,5	17,5	14	27	24
630	14	M 20 x 1,5	37,0	19,0	14	27	27
400	14	M 22 x 1,5			14	27	27
400	16	M 18 x 1,5		18,0	12	27	30
400	16	M 22 x 1,5	37,0	18,5	14	27	30
400	20	M 27 x 2	42,5	20,5	16	32	36
400	25	M 33 x 2	47,0	23,0	18	41	46
250	30	M 42 x 2	50,0	23,5	20	50	50
250	38	M 48 x 2	57,0	26,0	22	55	60

WE - COUPLINGS

Stud Elbows | LL- and L-Series | Thread: BSP - Taper



Series LL

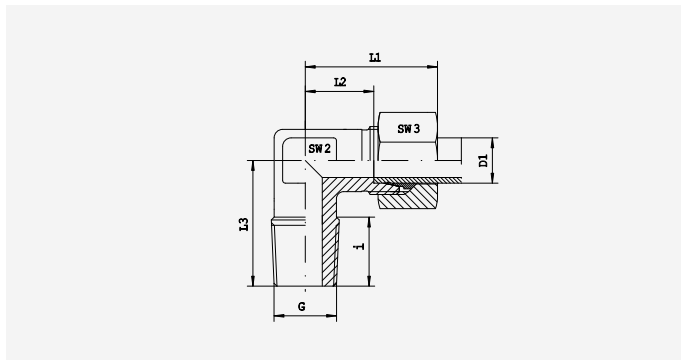
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	R 1/8“ keg	21,0	11,0	17	8	9	10	
100	6	R 1/8“ keg	21,0	9,5	17	8	9	12	
100	8	R 1/8“ keg	23,0	11,5	20	8	12	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	R 1/8“ keg	27,0	12,0	20	8	12	14	
315	6	R 1/4“ keg	27,0	12,0	26	12	12	14	
315	6	R 3/8“ keg	30,0	15,0	27	12	14	14	
315	6	R 1/2“ keg	30,5	15,5	30	14	17	14	
315	8	R 1/8“ keg	29,0	14,0	26	8	12	17	
315	8	R 1/4“ keg	29,0	14,0	26	12	12	17	
315	8	R 3/8“ keg	32,0	15,0	28	12	14	17	
315	8	R 1/2“ keg	34,5	19,5	30	14	17	17	
315	10	R 1/8“ keg	31,5	15,0	27	8	14	19	
315	10	R 1/4“ keg	30,0	15,0	27	12	14	19	
315	10	R 3/8“ keg	30,0	15,0	28	12	14	19	
315	10	R 1/2“ keg	37,0	21,0	33	14	17	19	
315	12	R 1/8“ keg	32,0	17,5	27	8	17	22	
315	12	R 1/4“ keg	32,0	17,5	27	12	17	22	
315	12	R 3/8“ keg	32,0	17,5	28	12	17	22	
315	12	R 1/2“ keg	32,0	17,5	34	14	17	22	
315	15	R 1/4“ keg	36,0	21,0	32	12	19	27	
315	15	R 3/8“ keg	36,0	21,0		12	19	27	
315	15	R 1/2“ keg	36,0	21,0	34	14	19	27	
160	15	R 3/4“ keg				16	24	27	
315	18	R 3/8“ keg	40,0	23,5		12	24	32	
315	18	R 1/2“ keg	40,0	23,5	36	14	24	32	
160	18	R 3/4“ keg	38,5	22,0	41	16	24	32	
160	22	R 1/2“ keg	44,0	27,5	41	14	27	36	
160	22	R 3/4“ keg	44,0	27,5	41	16	27	36	
160	28	R 1“ keg	51,5	30,5	47	20	36	41	
160	35	R 1 1/4“ keg	59,5	33,0	56	26	41	50	

WE - COUPLINGS

Stud Elbows | L-Series | Thread: BSP - Taper



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	R 1/8“ keg	27,0	12,0	20	8	12	14	
315	6	R 1/4“ keg	27,0	12,0	26	12	12	14	
315	6	R 3/8“ keg	30,0	15,0	27	12	14	14	
315	6	R 1/2“ keg	30,5	15,5	30	14	17	14	
315	8	R 1/8“ keg	29,0	14,0	26	8	12	17	
315	8	R 1/4“ keg	29,0	14,0	26	12	12	17	
315	8	R 3/8“ keg	32,0	15,0	28	12	14	17	
315	8	R 1/2“ keg	34,5	19,5	30	14	17	17	
315	10	R 1/8“ keg	31,5	15,0	27	8	14	19	
315	10	R 1/4“ keg	30,0	15,0	27	12	14	19	
315	10	R 3/8“ keg	30,0	15,0	28	12	14	19	
315	10	R 1/2“ keg	37,0	21,0	33	14	17	19	
315	12	R 1/8“ keg	32,0	17,5	27	8	17	22	
315	12	R 1/4“ keg	32,0	17,5	27	12	17	22	
315	12	R 3/8“ keg	32,0	17,5	28	12	17	22	
315	12	R 1/2“ keg	32,0	17,5	34	14	17	22	
315	15	R 1/4“ keg	36,0	21,0	32	12	19	27	
315	15	R 3/8“ keg	36,0	21,0		12	19	27	
315	15	R 1/2“ keg	36,0	21,0	34	14	19	27	
160	15	R 3/4“ keg				16	24	27	
315	18	R 3/8“ keg	40,0	23,5		12	24	32	
315	18	R 1/2“ keg	40,0	23,5	36	14	24	32	
160	18	R 3/4“ keg	38,5	22,0	41	16	24	32	
160	22	R 1/2“ keg	44,0	27,5	41	14	27	36	
160	22	R 3/4“ keg	44,0	27,5	41	16	27	36	
160	28	R 1“ keg	51,5	30,5	47	20	36	41	
160	35	R 1 1/4“ keg	59,5	33,0	56	26	41	50	



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	R 1/8" keg
100	6	R 1/8" keg
100	8	R 1/8" keg

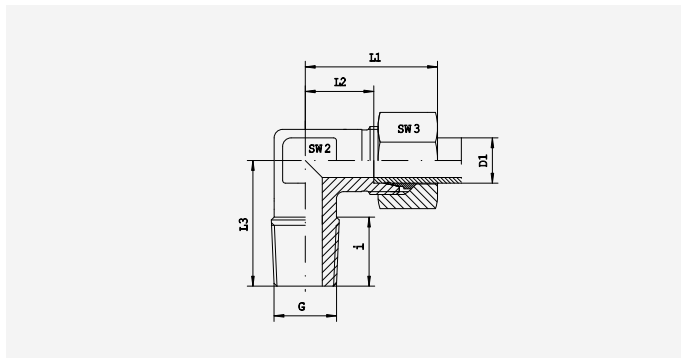
Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	R 1/8" keg
315	6	R 1/4" keg
315	6	R 3/8" keg
315	6	R 1/2" keg
315	8	R 1/8" keg
315	8	R 1/4" keg
315	8	R 3/8" keg
315	8	R 1/2" keg
315	10	R 1/8" keg
315	10	R 1/4" keg
315	10	R 3/8" keg
315	10	R 1/2" keg
315	12	R 1/8" keg
315	12	R 1/4" keg
315	12	R 3/8" keg
315	12	R 1/2" keg
315	15	R 1/4" keg
315	15	R 3/8" keg
315	15	R 1/2" keg
160	15	R 3/4" keg
315	18	R 3/8" keg
315	18	R 1/2" keg
160	18	R 3/4" keg
160	22	R 1/2" keg
160	22	R 3/4" keg
160	28	R 1" keg
160	35	R 1 1/4" keg

WE - COUPLINGS

Stud Elbows | S-Series | Thread: BSP - Taper

(1) The pressure rates are only valid, if the female parts are with tapered threads too.



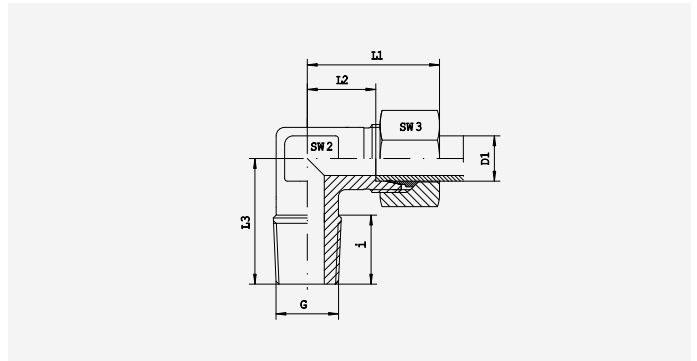
Series S

(1)Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630	6	R 1/8“ keg	29,5	15,0	25	8	12	17	
630	6	R 1/4“ keg	31,0	16,5	26	12	12	17	
630	6	R 3/8“ keg	32,0	17,5	27	12	14	17	
630	6	R 1/2“ keg	34,0	19,0	33	14	17	17	
630	8	R 1/8“ keg				8	14	19	
630	8	R 1/4“ keg	32,0	17,0	27	12	14	19	
630	8	R 3/8“ keg	33,0	18,0	28	12	14	19	
630	8	R 1/2“ keg	38,0	23,0	33	14	17	19	
630	10	R 1/8“ keg				8	17	22	
630	10	R 1/4“ keg	34,0	17,5	28	12	17	22	
630	10	R 3/8“ keg	34,0	17,5	28	12	17	22	
630	10	R 1/2“ keg	39,0	22,5	32	14	17	22	
630	12	R 1/4“ keg	38,0	21,5	27	12	17	24	
630	12	R 3/8“ keg	38,0	21,5	28	12	17	24	
630	12	R 1/2“ keg	39,0	22,5	32	14	17	24	
630	14	R 3/8“ keg	40,0	22,0	30	12	19	27	
630	14	R 1/2“ keg	40,0	22,0	32	14	19	27	
400	16	R 3/8“ keg	43,0	24,5	32	12	24	30	
400	16	R 1/2“ keg	43,0	24,5	32	14	24	30	
160	16	R 3/4“ keg	43,0	24,5	41	16	24	30	
400	20	R 1/2“ keg	48,0	26,5	42	14	27	36	
400	20	R 3/4“ keg	48,0	26,5	42	16	27	36	

WE - COUPLINGS - SILVER COATED

Stud Elbows | S-Series | Thread: BSP - Taper

(1) The pressure rates are only valid, if the female parts are with tapered threads too.



Series S

⁽¹⁾ Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630	6	R 1/8“ keg	29,5	15,0	25	8	12	17	
630	6	R 1/4“ keg	31,0	16,5	26	12	12	17	
630	6	R 3/8“ keg	32,0	17,5	27	12	14	17	
630	6	R 1/2“ keg	34,0	19,0	33	14	17	17	
630	8	R 1/8“ keg				8	14	19	
630	8	R 1/4“ keg	32,0	17,0	27	12	14	19	
630	8	R 3/8“ keg	33,0	18,0	28	12	14	19	
630	8	R 1/2“ keg	38,0	23,0	33	14	17	19	
630	10	R 1/8“ keg				8	17	22	
630	10	R 1/4“ keg	34,0	17,5	28	12	17	22	
630	10	R 3/8“ keg	34,0	17,5	28	12	17	22	
630	10	R 1/2“ keg	39,0	22,5	32	14	17	22	
630	12	R 1/4“ keg	38,0	21,5	27	12	17	24	
630	12	R 3/8“ keg	38,0	21,5	28	12	17	24	
630	12	R 1/2“ keg	39,0	22,5	32	14	17	24	
630	14	R 3/8“ keg	40,0	22,0	30	12	19	27	
630	14	R 1/2“ keg	40,0	22,0	32	14	19	27	
400	16	R 3/8“ keg	43,0	24,5	32	12	24	30	
400	16	R 1/2“ keg	43,0	24,5	32	14	24	30	
160	16	R 3/4“ keg	43,0	24,5	41	16	24	30	
400	20	R 1/2“ keg	48,0	26,5	42	14	27	36	
400	20	R 3/4“ keg	48,0	26,5	42	16	27	36	

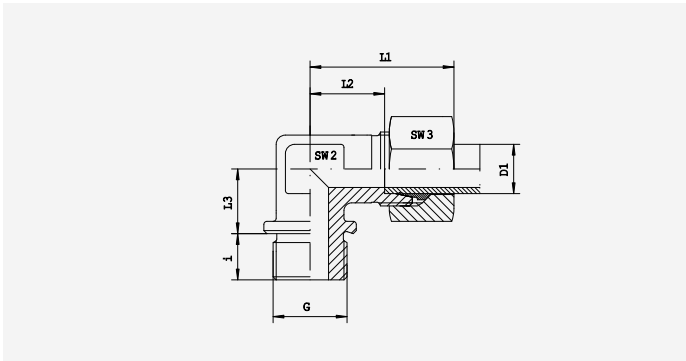
(1) The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	R 1/8" keg
630	6	R 1/4" keg
630	6	R 3/8" keg
630	6	R 1/2" keg
630	8	R 1/8" keg
630	8	R 1/4" keg
630	8	R 3/8" keg
630	8	R 1/2" keg
630	10	R 1/8" keg
630	10	R 1/4" keg
630	10	R 3/8" keg
630	10	R 1/2" keg
630	12	R 1/4" keg
630	12	R 3/8" keg
630	12	R 1/2" keg
630	14	R 3/8" keg
630	14	R 1/2" keg
400	16	R 3/8" keg
400	16	R 1/2" keg
160	16	R 3/4" keg
400	20	R 1/2" keg
400	20	R 3/4" keg

Stud Elbows | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

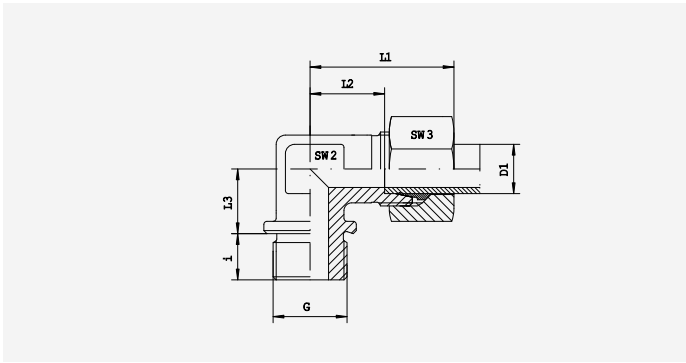
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

WE - COUPLINGS - SILVER COATED

Stud Elbows | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

Stud Elbow Bodies | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
160	22	G 3/4" zyl
160	28	G 1" zyl
160	35	G 1 1/4" zyl
160	42	G 1 1/2" zyl

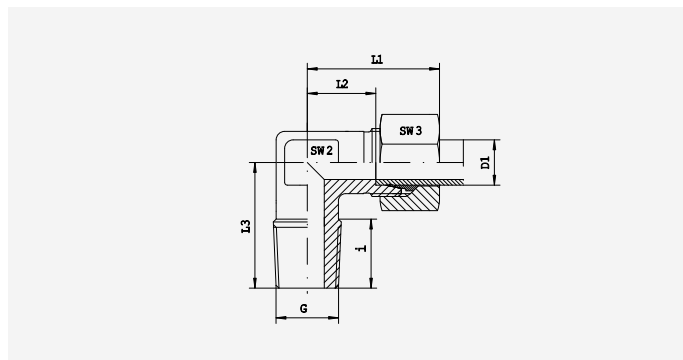
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
400	20	G 3/4" zyl
250	25	G 1" zyl
160	30	G 1 1/4" zyl
160	38	G 1 1/2" zyl

WE - COUPLINGS

Stud Elbows | LL-, L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	M 6 x 1 keg	21	11,0	17	8	9	10	
100	4	M 8 x 1 keg	21	11,0	17	8	9	10	
100	4	M 10 x 1 keg	21	11,0	17	8	9	10	
100	6	M 6 x 1 keg	23	10,0	17	8	9	12	
100	6	M 8 x 1 keg	23	10,0	17	8	9	12	
100	6	M 10 x 1 keg	21	9,5	17	8	9	12	
100	8	M 6 x 1 keg	23	11,5	20	8	12	14	
100	8	M 8 x 1 keg	23	11,5	20	8	12	14	
100	8	M 10 x 1 keg	23	11,5	20	8	12	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	M 10 x 1 keg	27	12,0	20	8	12	14	
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	
315	10	M 12 x 1,5 keg	30	15,0	27	12	14	19	
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	
315	10	M 16 x 1,5 keg	30	15,0	28	12	14	19	
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	
315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32	

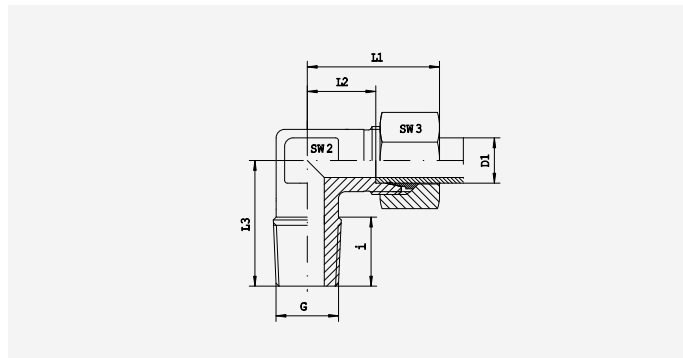
Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	
630 **	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	
630 **	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	19	27	
630 **	16	M 22 x 1,5 keg	43	24,5	32	14	24	30	

WE - COUPLINGS

Stud Elbows | L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	M 10 x 1 keg	27	12,0	20	8	12	14	
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	
315	10	M 12 x 1,5 keg	30	15,0	27	12	14	19	
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	
315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	
630 **	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	
630 **	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	19	27	
630 **	16	M 22 x 1,5 keg	43	24,5	32	14	24	30	

GE - COUPLINGS

Stud Elbow Bodies | LL-, L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	M 6 x 1 keg
100	4	M 8 x 1 keg
100	4	M 10 x 1 keg
100	6	M 6 x 1 keg
100	6	M 8 x 1 keg
100	6	M 10 x 1 keg
100	8	M 6 x 1 keg
100	8	M 8 x 1 keg
100	8	M 10 x 1 keg

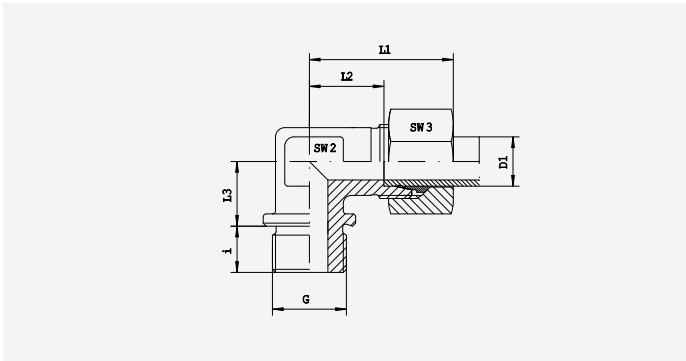
Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1 keg
315	8	M 12 x 1,5 keg
315	10	M 12 x 1,5 keg
315	10	M 14 x 1,5 keg
315	12	M 16 x 1,5 keg
315	15	M 18 x 1,5 keg
315	18	M 22 x 1,5 keg

Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
630 **	6	M 12 x 1,5 keg
630 **	8	M 14 x 1,5 keg
630 **	10	M 16 x 1,5 keg
630 **	12	M 18 x 1,5 keg
630 **	14	M 20 x 1,5 keg
630 **	16	M 22 x 1,5 keg

Stud Elbows | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

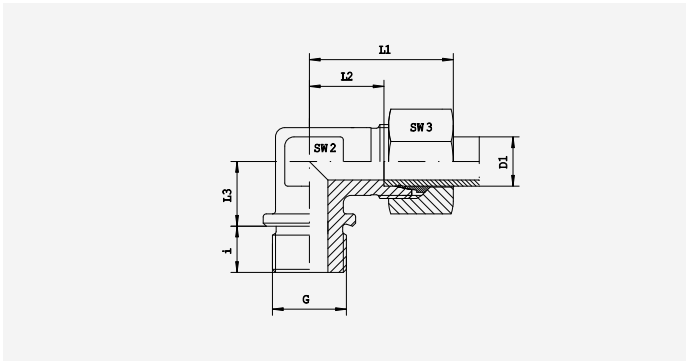
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	

WE - COUPLINGS - SILVER COATED

Stud Elbows | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	



Series L

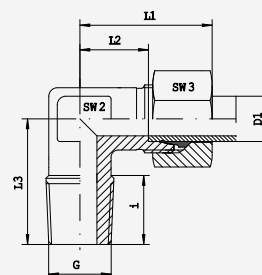
Pressure	Tube O.D.	Thread
PN	D1	G
160	22	M 26 x 1,5 zyl
160	28	M 33 x 2 zyl
160	35	M 42 x 2 zyl
160	42	M 48 x 2 zyl

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
400	20	M 27 x 2 zyl
250	25	M 33 x 2 zyl
160	30	M 42 x 2 zyl
160	38	M 48 x 2 zyl

WE - COUPLINGS

Stud Elbows | LL- and L-Series | Thread: NPT



Series LL

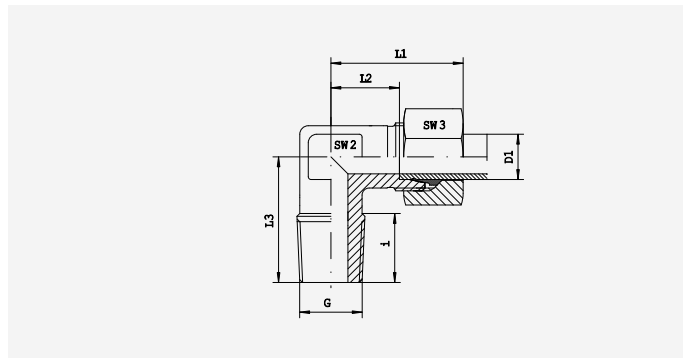
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	1/8" NPT	21,0	11,0	17	10,0	9	10	
100	6	1/8" NPT	21,0	9,5	17	10,0	9	12	
100	8	1/8" NPT	23,0	11,5	20	10,0	12	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	1/8" NPT	27,0	12,0	20	10,0	12	14	
315	6	1/4" NPT	29,0	14,0	26	15,0	12	14	
315	6	3/8" NPT	33,0	18,0	28	15,3	14	14	
315	6	1/2" NPT	30,5	15,5	30	20,0	17	14	
315	8	1/8" NPT	29,0	14,0	26	10,0	12	17	
315	8	1/4" NPT	29,0	14,0	26	15,0	12	17	
315	8	3/8" NPT	29,0	14,0	26	15,3	14	17	
315	8	1/2" NPT	34,5	19,5	30	20,0	17	17	
315	10	1/8" NPT	30,0	15,0	27	10,0	14	19	
315	10	1/4" NPT	30,0	15,0	27	15,0	14	19	
315	10	3/8" NPT	32,0	17,0	28	15,3	14	19	
315	10	1/2" NPT	37,0	21,0	33	20,0	17	19	
315	12	1/8" NPT	32,0	17,0	28	10,0	17	22	
315	12	1/4" NPT	32,0	17,0	28	15,0	17	22	
315	12	3/8" NPT	32,0	17,0	28	15,3	17	22	
315	12	1/2" NPT	36,0	21,0	34	20,0	17	22	
315	15	3/8" NPT	36,0	21,0	34	15,3	19	27	
315	15	1/2" NPT	36,0	21,0	34	20,0	19	27	
160	15	3/4" NPT	36,0	21,0	42	20,0	24	27	
315	18	3/8" NPT	40,0	23,5	36	15,3	24	32	
315	18	1/2" NPT	40,0	23,5	36	20,0	24	32	
160	18	3/4" NPT	38,5	22,0	41	20,0	24	32	
160	22	1/2" NPT	44,0	27,5	42	20,0	27	36	
160	22	3/4" NPT	44,0	27,5	42	20,0	27	36	
160	28	3/4" NPT	47,0	30,5	48	20,0	36	41	
160	28	1" NPT	47,0	30,5	48	25,0	36	41	
160	35	1 1/4" NPT	56,0	34,5	54	25,5	41	50	
160	42	1 1/2" NPT	63,0	40,0	61	26,0	50	60	

WE - COUPLINGS

Stud Elbows | L-Series | Thread: NPT



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	1/8" NPT	27,0	12,0	20	10,0	12	14	
315	6	1/4" NPT	29,0	14,0	26	15,0	12	14	
315	6	3/8" NPT	33,0	18,0	28	15,3	14	14	
315	6	1/2" NPT	30,5	15,5	30	20,0	17	14	
315	8	1/8" NPT	29,0	14,0	26	10,0	12	17	
315	8	1/4" NPT	29,0	14,0	26	15,0	12	17	
315	8	3/8" NPT	29,0	14,0	26	15,3	14	17	
315	8	1/2" NPT	34,5	19,5	30	20,0	17	17	
315	10	1/8" NPT	30,0	15,0	27	10,0	14	19	
315	10	1/4" NPT	30,0	15,0	27	15,0	14	19	
315	10	3/8" NPT	32,0	17,0	28	15,3	14	19	
315	10	1/2" NPT	37,0	21,0	33	20,0	17	19	
315	12	1/4" NPT	32,0	17,0	28	15,0	17	22	
315	12	1/8" NPT	32,0	17,0	28	10,0	17	22	
315	12	3/8" NPT	32,0	17,0	28	15,3	17	22	
315	12	1/2" NPT	36,0	21,0	34	20,0	17	22	
315	15	3/8" NPT	36,0	21,0	34	15,3	19	27	
315	15	1/2" NPT	36,0	21,0	34	20,0	19	27	
160	15	3/4" NPT	36,0	21,0	42	20,0	24	27	
315	18	3/8" NPT	40,0	23,5	36	15,3	24	32	
315	18	1/2" NPT	40,0	23,5	36	20,0	24	32	
160	18	3/4" NPT	38,5	22,0	41	20,0	24	32	
160	22	1/2" NPT	44,0	27,5	42	20,0	27	36	
160	22	3/4" NPT	44,0	27,5	42	20,0	27	36	
160	28	3/4" NPT	47,0	30,5	48	20,0	36	41	
160	28	1" NPT	47,0	30,5	48	25,0	36	41	
160	35	1 1/4" NPT	56,0	34,5	54	25,5	41	50	
160	42	1 1/2" NPT	63,0	40,0	61	26,0	50	60	



Series LL

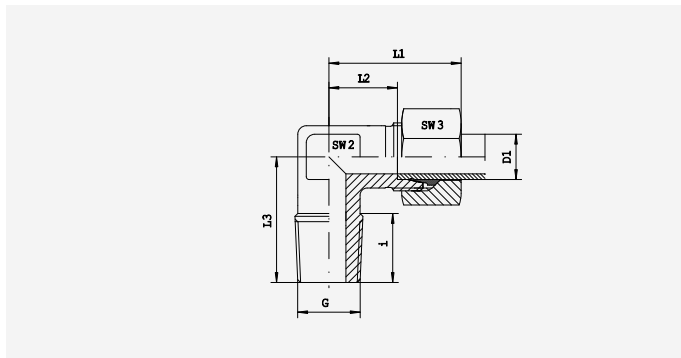
Pressure	Tube O.D.	Thread
PN	D1	G
100	4	1/8" NPT
100	6	1/8" NPT
100	8	1/8" NPT

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	1/8" NPT
315	6	1/4" NPT
315	6	3/8" NPT
315	6	1/2" NPT
315	8	1/8" NPT
315	8	1/4" NPT
315	8	3/8" NPT
315	8	1/2" NPT
315	10	1/8" NPT
315	10	1/4" NPT
315	10	3/8" NPT
315	10	1/2" NPT
315	12	1/8" NPT
315	12	1/4" NPT
315	12	3/8" NPT
315	12	1/2" NPT
315	15	3/8" NPT
315	15	1/2" NPT
160	15	3/4" NPT
315	18	3/8" NPT
315	18	1/2" NPT
160	18	3/4" NPT
160	22	1/2" NPT
160	22	3/4" NPT
160	28	3/4" NPT
160	28	1" NPT
160	35	1 1/4" NPT
160	42	1 1/2" NPT

WE - COUPLINGS

Stud Elbows | S-Series | Thread: NPT

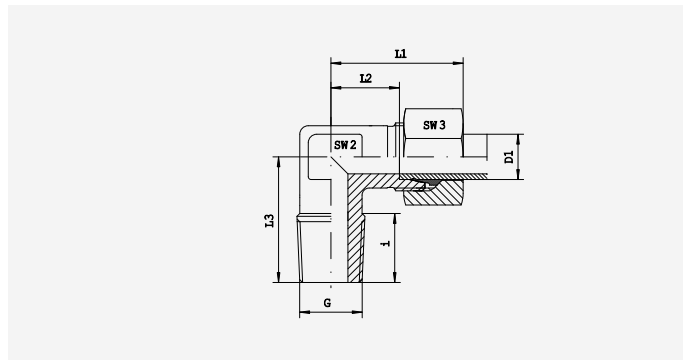


Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions						
			L1	L2	L3	i	SW2	SW3	
630	6	1/4" NPT	31	16,0	26	15,0	12	17	
630	6	3/8" NPT	32	17,5	27	15,3	14	17	
630	6	1/2" NPT	36	21,0	34	20,0	17	17	
630	8	1/4" NPT	32	17,0	27	15,0	14	19	
630	8	3/8" NPT	33	18,0	28	15,3	14	19	
630	8	1/2" NPT	38	23,0	34	20,0	17	19	
630	10	1/4" NPT	34	17,5	28	15,0	17	22	
630	10	3/8" NPT	34	17,5	28	15,3	17	22	
630	10	1/2" NPT	39	22,5	32	20,0	17	22	
630	12	1/4" NPT	38	21,5	29	15,0	17	24	
630	12	3/8" NPT	38	21,5	28	15,3	17	24	
630	12	1/2" NPT	39	21,5	34	20,0	17	24	
630	14	3/8" NPT	40	22,0	30	15,3	19	27	
630	14	1/2" NPT	40	22,0	34	20,0	19	27	
400	16	3/8" NPT	43	24,5	32	15,3	24	30	
400	16	1/2" NPT	43	24,5	36	20,0	24	30	
400	16	3/4" NPT	43	24,5	41	20,0	24	30	
400	20	1/2" NPT	48	26,5	42	20,0	27	36	
400	20	3/4" NPT	48	26,5	42	20,0	27	36	
400	25	1" NPT	54	30,0	48	25,0	36	46	
400	30	1 1/4" NPT	62	35,5	54	25,5	41	50	
315	38	1 1/2" NPT	72	41,0	61	26,0	50	60	

WE - COUPLINGS - SILVER COATED

Stud Elbows | S-Series | Thread: NPT



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630	6	1/4" NPT	31	16,0	26	15,0	12	17	
630	6	3/8" NPT	32	17,5	27	15,3	14	17	
630	6	1/2" NPT	36	21,0	34	20,0	17	17	
630	8	1/4" NPT	32	17,0	27	15,0	14	19	
630	8	3/8" NPT	33	18,0	28	15,3	14	19	
630	8	1/2" NPT	38	23,0	34	20,0	17	19	
630	10	1/4" NPT	34	17,5	28	15,0	17	22	
630	10	3/8" NPT	34	17,5	28	15,3	17	22	
630	10	1/2" NPT	39	22,5	32	20,0	17	22	
630	12	1/4" NPT	38	21,5	29	15,0	17	24	
630	12	3/8" NPT	38	21,5	28	15,3	17	24	
630	12	1/2" NPT	39	21,5	34	20,0	17	24	
630	14	3/8" NPT	40	22,0	30	15,3	19	27	
630	14	1/2" NPT	40	22,0	34	20,0	19	27	
400	16	3/8" NPT	43	24,5	32	15,3	24	30	
400	16	1/2" NPT	43	24,5	36	20,0	24	30	
400	16	3/4" NPT	43	24,5	41	20,0	24	30	
400	20	1/2" NPT	48	26,5	42	20,0	27	36	
400	20	3/4" NPT	48	26,5	42	20,0	27	36	
400	25	1" NPT	54	30,0	48	25,0	36	46	
400	30	1 1/4" NPT	62	35,5	54	25,5	41	50	
315	38	1 1/2" NPT	72	41,0	61	26,0	50	60	

Stud Elbow Bodies | S-Series | Thread: NPT



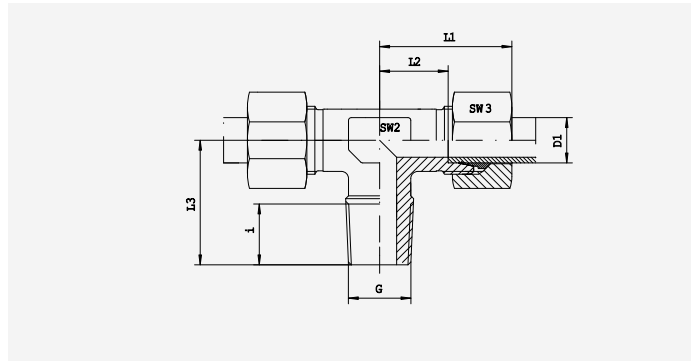
Series L

Pressure PN	Tube O.D. D1	Thread G
630	6	1/4" NPT
630	6	3/8" NPT
630	6	1/2" NPT
630	8	1/4" NPT
630	8	3/8" NPT
630	8	1/2" NPT
630	10	1/4" NPT
630	10	3/8" NPT
630	10	1/2" NPT
630	12	1/4" NPT
630	12	3/8" NPT
630	12	1/2" NPT
630	14	3/8" NPT
630	14	1/2" NPT
400	16	3/8" NPT
400	16	1/2" NPT
400	16	3/4" NPT
400	20	1/2" NPT
400	20	3/4" NPT
400	25	1" NPT
400	30	1 1/4" NPT
315	38	1 1/2" NPT

TE - COUPLINGS

Stud Branch Tees | LL-, L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	R 1/8" keg	21	11,0	17	8	9	10	
100	6	R 1/8" keg	21	9,5	17	8	9	12	
100	8	R 1/8" keg	23	11,5	20	8	12	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	R 1/8" keg	27	12,0	20	8	12	14	
315	6	R 1/4" keg	29	14,0	26	12	12	14	
315	8	R 1/4" keg	29	14,0	26	12	12	17	
315	8	R 3/8" keg	30	15,0	28	12	14	17	
315	10	R 1/8" keg				8	14	19	
315	10	R 1/4" keg	30	15,0	27	12	14	19	
315	10	R 3/8" keg	30	15,0	27	12	17	19	
315	10	R 1/2" keg	37	21,0	33	14	17	19	
315	12	R 1/4" keg	32	17,0	28	12	17	22	
315	12	R 3/8" keg	32	17,0	28	12	17	22	
315	12	R 1/2" keg	38	20,5	34	14	17	22	
315	15	R 3/8" keg	36	21,0	34	12	19	27	
315	15	R 1/2" keg	36	21,0	34	14	19	27	
315	18	R 1/2" keg	40	23,5	36	14	24	32	

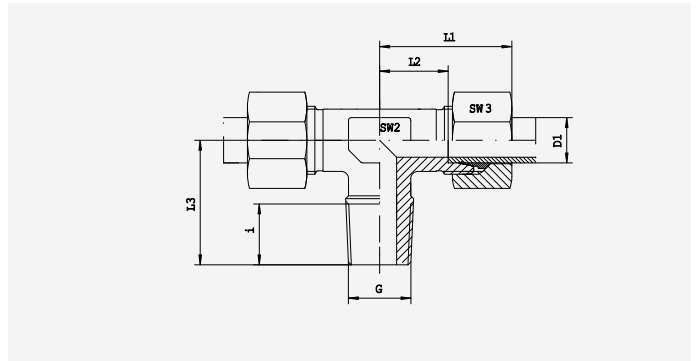
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	R 1/4" keg	31	16,0	26	12	12	17	
630 **	8	R 1/4" keg	32	17,0	27	12	14	19	
630 **	10	R 3/8" keg	34	17,5	28	12	17	22	
630 **	12	R 3/8" keg	38	21,5	28	12	17	24	
630 **	12	R 1/2" keg	38	21,5	34	14	19	24	
630 **	14	R 1/2" keg	40	22,0	32	14	19	27	
400 **	16	R 1/2" keg	43	24,5	32	14	24	30	

TE - COUPLINGS

Stud Branch Tees | L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	R 1/8" keg	27	12,0	20	8	12	14	
315	6	R 1/4" keg	29	14,0	26	12	12	14	
315	8	R 1/4" keg	29	14,0	26	12	12	17	
315	8	R 3/8" keg	30	15,0	28	12	14	17	
315	10	R 1/8" keg					8	14	19
315	10	R 1/4" keg	30	15,0	27	12	14	19	
315	10	R 3/8" keg	30	15,0	27	12	17	19	
315	10	R 1/2" keg	37	21,0	33	14	17	19	
315	12	R 1/4" keg	32	17,0	28	12	17	22	
315	12	R 3/8" keg	32	17,0	28	12	17	22	
315	12	R 1/2" keg	38	20,5	34	14	17	22	
315	15	R 3/8" keg	36	21,0	34	12	19	27	
315	15	R 1/2" keg	36	21,0	34	14	19	27	
315	18	R 1/2" keg	40	23,5	36	14	24	32	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	R 1/4" keg	31	16,0	26	12	12	17	
630 **	8	R 1/4" keg	32	17,0	27	12	14	19	
630 **	10	R 3/8" keg	34	17,5	28	12	17	22	
630 **	12	R 3/8" keg	38	21,5	28	12	17	24	
630 **	12	R 1/2" keg	38	21,5	34	14	19	24	
630 **	14	R 1/2" keg	40	22,0	32	14	19	27	
400 **	16	R 1/2" keg	43	24,5	32	14	24	30	

TE - COUPLINGS

Stud Branch Tee Bodies | LL-, L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure PN	Tube O.D. D1	Thread G
100	4	R 1/8" keg
100	6	R 1/8" keg
100	8	R 1/8" keg

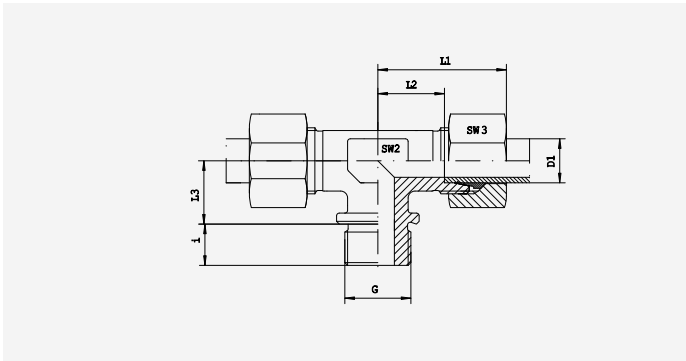
Series L

Pressure PN	Tube O.D. D1	Thread G
315	6	R 1/8" keg
315	6	R 1/4" keg
315	8	R 1/4" keg
315	8	R 3/8" keg
315	10	R 1/8" keg
315	10	R 1/4" keg
315	10	R 3/8" keg
315	10	R 1/2" keg
315	12	R 1/4" keg
315	12	R 3/8" keg
315	12	R 1/2" keg
315	15	R 3/8" keg
315	15	R 1/2" keg
315	18	R 1/2" keg

Series S

Pressure PN	Tube O.D. D1	Thread G
630 **	6	R 1/4" keg
630 **	8	R 1/4" keg
630 **	10	R 3/8" keg
630 **	12	R 3/8" keg
630 **	12	R 1/2" keg
630 **	14	R 1/2" keg
400 **	16	R 1/2" keg

Stud Branch Tee Bodies | LL-, L- and S-Series | Thread: BSP - Taper



Series L

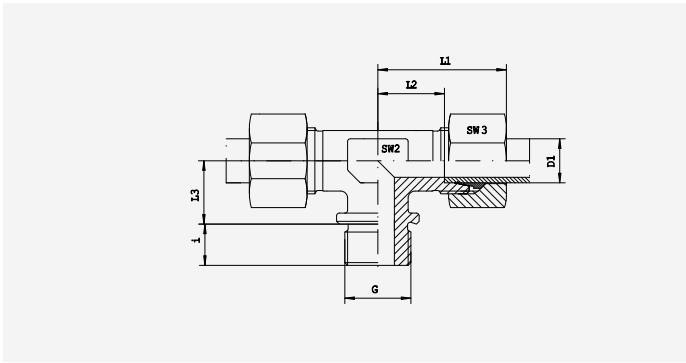
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

TE - COUPLINGS - SILVER COATED

Stud Branch Tees | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

Stud Branch Tee Bodies | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series LL

Pressure PN	Tube O.D. D1	Thread G
160	22	G 3/4" zyl
160	28	G 1" zyl
160	35	G 1 1/4" zyl
160	42	G 1 1/2" zyl

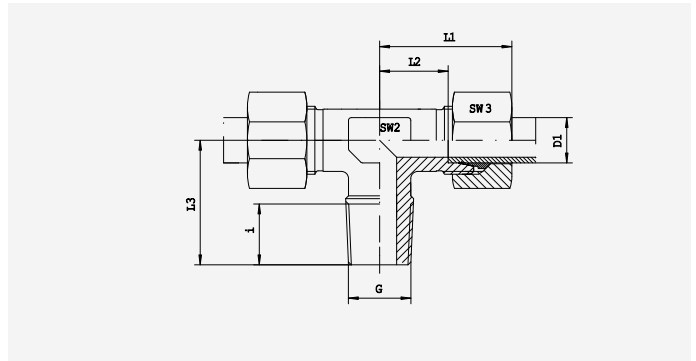
Series L

Pressure PN	Tube O.D. D1	Thread G
400	20	G 3/4" zyl
250	25	G 1" zyl
160	30	G 1 1/4" zyl
160	38	G 1 1/2" zyl

TE - COUPLINGS

Stud Branch Tees | LL-, L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	M 6 x 1 keg	21	11,0	17	8	9	10	
100	4	M 8 x 1 keg	21	11,0	17	8	9	10	
100	6	M 6 x 1 keg	21	9,5	17	8	9	12	
100	6	M 8 x 1 keg	21	9,5	17	8	9	12	
100	6	M 10 x 1 keg	21	9,5	17	8	9	12	
100	8	M 8 x 1 keg	23	11,5	20	8	12	14	
100	8	M 10 x 1 keg	23	11,5	20	8	12	14	

Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	M 10 x 1 keg	27	12,0	20	8	12	14	
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	
315	18	M 22 x 1,5 keg	40	23,5	36	14	24	32	

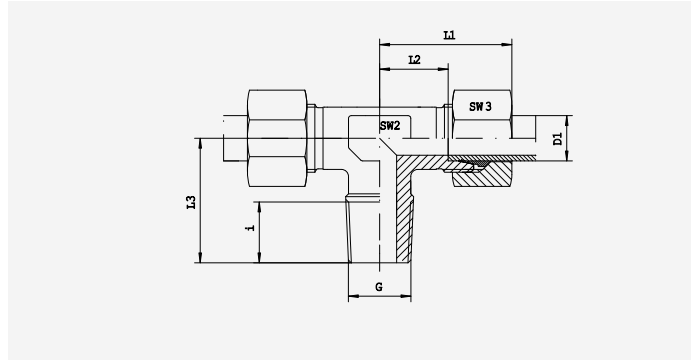
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	
630 **	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	
630 **	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	17	27	
400 **	16	M 22 x 1,5 keg	43	24,5	32	14	19	30	

TE - COUPLINGS

Stud Branch Tees | L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	M 10 x 1 keg	27	12,0	20	8	12	14	
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	
315	18	M 22 x 1,5 keg	40	23,5	36	14	24	32	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	
630 **	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	
630 **	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	17	27	
400 **	16	M 22 x 1,5 keg	43	24,5	32	14	19	30	

TE - COUPLINGS

Stud Branch Tee Bodies | LL-, L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure PN	Tube O.D. D1	Thread G
100	4	M 6 x 1 keg
100	4	M 8 x 1 keg
100	6	M 6 x 1 keg
100	6	M 8 x 1 keg
100	6	M 10 x 1 keg
100	8	M 8 x 1 keg
100	8	M 10 x 1 keg

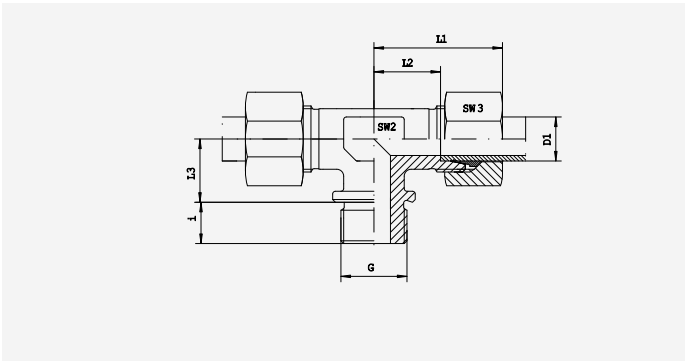
Series L

Pressure PN	Tube O.D. D1	Thread G
315	6	M 10 x 1 keg
315	8	M 12 x 1,5 keg
315	10	M 14 x 1,5 keg
315	12	M 16 x 1,5 keg
315	15	M 18 x 1,5 keg
315	18	M 22 x 1,5 keg

Series S

Pressure PN	Tube O.D. D1	Thread G
630 **	6	M 12 x 1,5 keg
630 **	8	M 14 x 1,5 keg
630 **	10	M 16 x 1,5 keg
630 **	12	M 18 x 1,5 keg
630 **	14	M 20 x 1,5 keg
400 **	16	M 22 x 1,5 keg

Stud Branch Tees | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

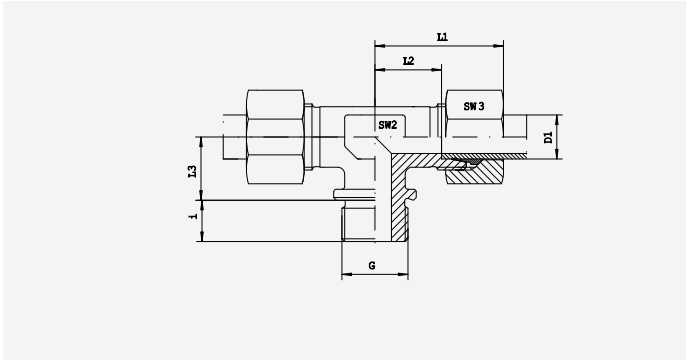
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	

TE - COUPLINGS - SILVER COATED

Stud Branch Tees | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	

Stud Branch Tee Bodies | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

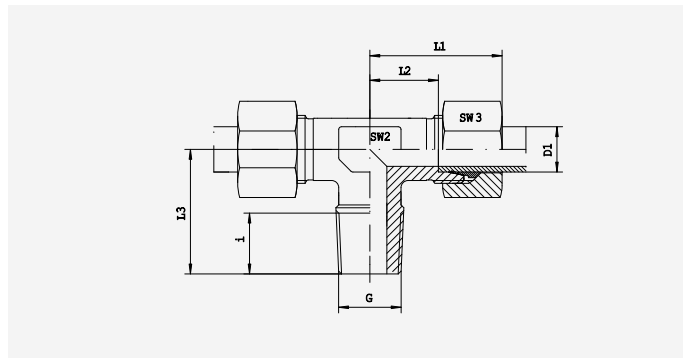
Pressure PN	Tube O.D. D1	Thread G
160	22	M 26 x 1,5 zyl
160	28	M 33 x 2 zyl
160	35	M 42 x 2 zyl
160	42	M 48 x 2 zyl

Series S

Pressure PN	Tube O.D. D1	Thread G
400	20	M 27 x 2 zyl
250	25	M 33 x 2 zyl
160	30	M 42 x 2 zyl
160	38	M 48 x 2 zyl

TE - COUPLINGS

Stud Branch Tees | LL-, L- and S-Series | Thread: NPT



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	L3	i	SW2	SW3
100	4	1/8" NPT	21	11,0	17,0	10,0	9	10
100	6	1/8" NPT	21	9,5	17,0	10,0	9	12
100	8	1/8" NPT	23	11,5	20,0	10,0	12	14

Series S

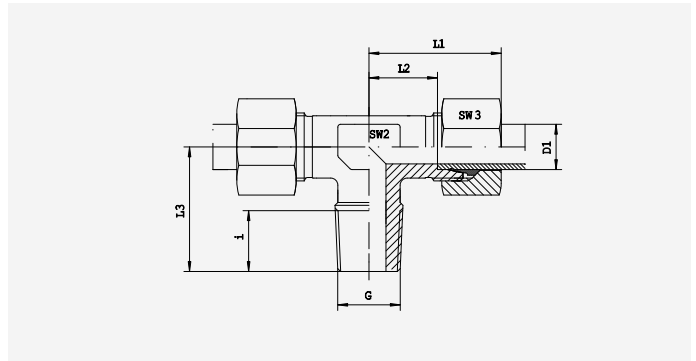
Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	L3	i	SW2	SW3
315	6	1/8" NPT	27	12,0	20,0	10,0	12	14
315	6	1/4" NPT	27	12,0	25,0	15,0	12	14
315	8	1/4" NPT	29	14,0	26,0	15,0	12	17
315	10	1/4" NPT	30	15,0	27,0	15,0	14	19
315	10	3/8" NPT	30	15,0	27,5	15,3	14	19
315	10	1/2" NPT	37	21,0	33,0	20,0	17	19
315	12	1/4" NPT	32	17,0	28,0	15,0	17	22
315	12	3/8" NPT	32	17,0	28,0	15,3	17	22
315	12	1/2" NPT	36	21,0	34,0	20,0	17	22
315	15	3/8" NPT	36	21,0	34,0	15,3	19	27
315	15	1/2" NPT	36	21,0	34,0	20,0	19	27
315	18	1/2" NPT	40	23,5	36,0	20,0	24	32
160	22	3/4" NPT	44	27,5	42,0	20,0	27	36
160	28	1" NPT	47	30,5	48,0	25,0	36	41
160	35	1 1/4" NPT	56	34,5	54,0	25,5	41	50
160	42	1 1/2" NPT	63	40,0	61,0	26,0	50	60

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	L3	i	SW2	SW3
630	6	1/4" NPT	31	16,0	26,0	15,0	12	17
630	8	1/4" NPT	32	17,0	27,0	15,0	14	19
630	10	1/4" NPT	34	17,5	28,0	15,0	17	22
630	10	3/8" NPT	34	17,5	28,0	15,3	17	22
630	10	1/2" NPT				20,0	17	22
630	12	1/4" NPT	38	21,5	29,0	15,0	17	24
630	12	3/8" NPT	38	21,5	28,0	15,3	17	24
630	12	1/2" NPT	39	21,5	34,0	20,0	19	24
630	14	1/2" NPT	40	22,0	34,0	20,0	19	27
400	16	1/2" NPT	43	24,5	36,0	20,0	24	30
400	20	3/4" NPT	48	26,5	42,0	20,0	27	36
400	25	1" NPT	54	30,0	48,0	25,0	36	46
400	30	1 1/4" NPT	62	35,5	54,0	25,5	41	50
315	38	1 1/2" NPT	72	41,0	61,0	26,0	50	60

TE - COUPLINGS - SILVER COATED

Stud Branch Tees | L- and S-Series | Thread: NPT



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions							
			PN	D1	G	L1	L2	L3	i	SW2
315	6	1/8" NPT	27	12,0	20,0	10,0	12	14		
315	6	1/4" NPT	27	12,0	25,0	15,0	12	14		
315	8	1/4" NPT	29	14,0	26,0	15,0	12	17		
315	10	1/4" NPT	30	15,0	27,0	15,0	14	19		
315	10	3/8" NPT	30	15,0	27,5	15,3	14	19		
315	10	1/2" NPT	37	21,0	33,0	20,0	17	19		
315	12	1/4" NPT	32	17,0	28,0	15,0	17	22		
315	12	3/8" NPT	32	17,0	28,0	15,3	17	22		
315	12	1/2" NPT	36	21,0	34,0	20,0	17	22		
315	15	3/8" NPT	36	21,0	34,0	15,3	19	27		
315	15	1/2" NPT	36	21,0	34,0	20,0	19	27		
315	18	1/2" NPT	40	23,5	36,0	20,0	24	32		
160	22	3/4" NPT	44	27,5	42,0	20,0	27	36		
160	28	1" NPT	47	30,5	48,0	25,0	36	41		
160	35	1 1/4" NPT	56	34,5	54,0	25,5	41	50		
160	42	1 1/2" NPT	63	40,0	61,0	26,0	50	60		

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions						
			L1	L2	L3	i	SW2	SW3	
630	6	1/4" NPT	31	16,0	26,0	15,0	12	17	
630	8	1/4" NPT	32	17,0	27,0	15,0	14	19	
630	10	1/4" NPT	34	17,5	28,0	15,0	17	22	
630	10	3/8" NPT	34	17,5	28,0	15,3	17	22	
630	10	1/2" NPT				20,0	17	22	
630	12	1/4" NPT	38	21,5	29,0	15,0	17	24	
630	12	3/8" NPT	38	21,5	28,0	15,3	17	24	
630	12	1/2" NPT	39	21,5	34,0	20,0	19	24	
630	14	1/2" NPT	40	22,0	34,0	20,0	19	27	
400	16	1/2" NPT	43	24,5	36,0	20,0	24	30	
400	20	3/4" NPT	48	26,5	42,0	20,0	27	36	
400	25	1" NPT	54	30,0	48,0	25,0	36	46	
400	30	1 1/4" NPT	62	35,5	54,0	25,5	41	50	
315	38	1 1/2" NPT	72	41,0	61,0	26,0	50	60	

TE - COUPLINGS

Stud Branch Tee Bodies | LL-, L- and S-Series | Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G
100	4	1/8" NPT
100	6	1/8" NPT
100	8	1/8" NPT

Series S

Pressure PN	Tube O.D. D1	Thread G
315	6	1/8" NPT
315	6	1/4" NPT
315	8	1/4" NPT
315	10	1/4" NPT
315	10	3/8" NPT
315	10	1/2" NPT
315	12	1/4" NPT
315	12	3/8" NPT
315	12	1/2" NPT
315	15	3/8" NPT
315	15	1/2" NPT
315	18	1/2" NPT
160	22	3/4" NPT
160	28	1" NPT
160	35	1 1/4" NPT
160	42	1 1/2" NPT

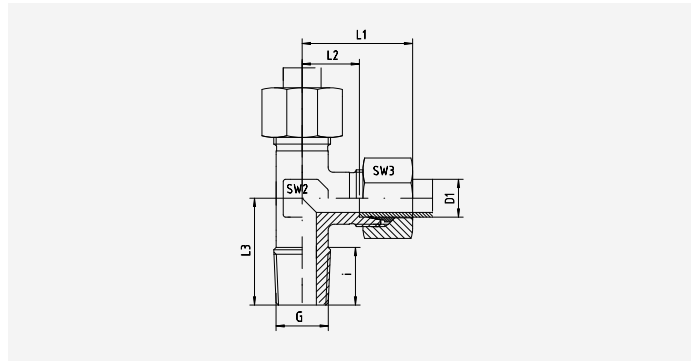
Series S

Pressure PN	Tube O.D. D1	Thread G
630	6	1/4" NPT
630	8	1/4" NPT
630	10	1/4" NPT
630	10	3/8" NPT
630	10	1/2" NPT
630	12	1/4" NPT
630	12	3/8" NPT
630	12	1/2" NPT
630	14	1/2" NPT
400	16	1/2" NPT
400	20	3/4" NPT
400	25	1" NPT
400	30	1 1/4" NPT
315	38	1 1/2" NPT

TE - COUPLINGS

Stud Barrel Tees | LL-, L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
100	4	R 1/8" keg	21	11,0	17,0	8	9	10
100	6	R 1/8" keg	21	9,5	17,0	8	9	12
100	8	R 1/8" keg	23	11,5	20,0	8	12	14

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
315	6	R 1/8" keg	27	12,0	20	8	12	14
315	6	R 1/4" keg	27	12,0	26	12	12	14
315	8	R 1/4" keg	29	14,0	26	12	12	17
315	8	R 3/8" keg	32	17,0	28	12	14	17
315	10	R 1/8" keg				8	14	19
315	10	R 1/4" keg	30	15,0	27	12	14	19
315	10	R 3/8" keg	30	15,0	28	12	14	19
315	10	R 1/2" keg				14	17	19
315	12	R 1/4" keg	32	17,5	27	12	17	22
315	12	R 3/8" keg	32	17,5	28	12	17	22
315	12	R 1/2" keg				14	17	22
315	15	R 3/8" keg				12	19	27
315	15	R 1/2" keg	36	21,0	34	14	19	27
315	18	R 1/2" keg	40	23,5	36	14	24	32

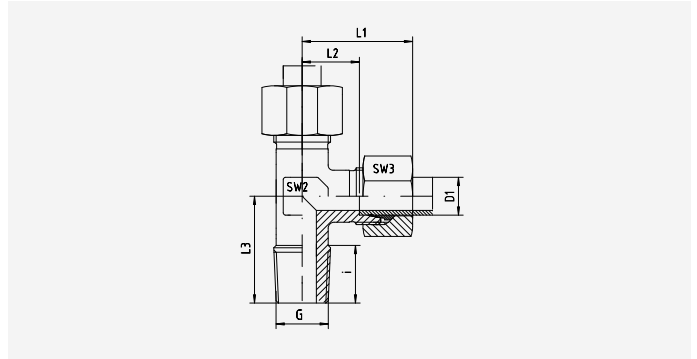
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
630 **	6	R 1/4" keg	31	16,5	26	12	12	17
630 **	8	R 1/4" keg	32	17,0	27	12	14	19
630 **	10	R 3/8" keg	34	17,5	28	12	17	22
630 **	12	R 3/8" keg	38	21,5	28	12	17	24
630 **	12	R 1/2" keg	38	21,5	33	14	19	24
630 **	14	R 1/2" keg	40	22,0	32	14	19	27
400 **	16	R 1/2" keg	43	24,5	32	14	24	30

TE - COUPLINGS - SILVER COATED

Stud Barrel Tees | LL-, L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions							
			PN	D1	G	L1	L2	L3	i	SW2
315	6	R 1/8" keg	27	12,0	20	8	12	14		
315	6	R 1/4" keg	27	12,0	26	12	12	14		
315	8	R 1/4" keg	29	14,0	26	12	12	17		
315	8	R 3/8" keg	32	17,0	28	12	14	17		
315	10	R 1/8" keg				8	14	19		
315	10	R 1/4" keg	30	15,0	27	12	14	19		
315	10	R 3/8" keg	30	15,0	28	12	14	19		
315	10	R 1/2" keg				14	17	19		
315	12	R 1/4" keg	32	17,5	27	12	17	22		
315	12	R 3/8" keg	32	17,5	28	12	17	22		
315	12	R 1/2" keg				14	17	22		
315	15	R 3/8" keg				12	19	27		
315	15	R 1/2" keg	36	21,0	34	14	19	27		
315	18	R 1/2" keg	40	23,5	36	14	24	32		

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	R 1/4" keg	31	16,5	26	12	12	17	
630 **	8	R 1/4" keg	32	17,0	27	12	14	19	
630 **	10	R 3/8" keg	34	17,5	28	12	17	22	
630 **	12	R 3/8" keg	38	21,5	28	12	17	24	
630 **	12	R 1/2" keg	38	21,5	33	14	19	24	
630 **	14	R 1/2" keg	40	22,0	32	14	19	27	
400 **	16	R 1/2" keg	43	24,5	32	14	24	30	

TE - COUPLINGS

Stud Barrel Tee Bodies | LL-, L- and S-Series | Thread: BSP - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	R 1/8" keg
100	6	R 1/8" keg
100	8	R 1/8" keg

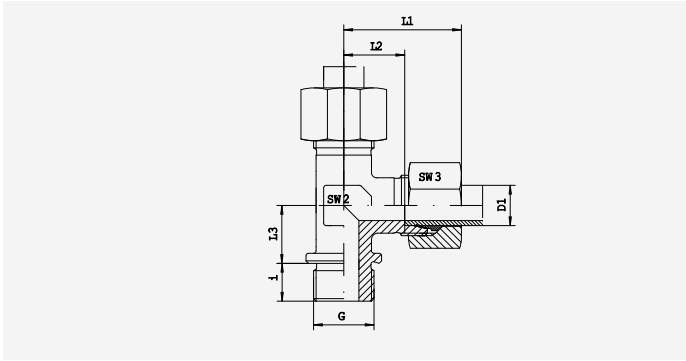
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	R 1/8" keg
315	6	R 1/4" keg
315	8	R 1/4" keg
315	8	R 3/8" keg
315	10	R 1/8" keg
315	10	R 1/4" keg
315	10	R 3/8" keg
315	10	R 1/2" keg
315	12	R 1/4" keg
315	12	R 3/8" keg
315	12	R 1/2" keg
315	15	R 3/8" keg
315	15	R 1/2" keg
315	18	R 1/2" keg

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630 **	6	R 1/4" keg
630 **	8	R 1/4" keg
630 **	10	R 3/8" keg
630 **	12	R 3/8" keg
630 **	12	R 1/2" keg
630 **	14	R 1/2" keg
400 **	16	R 1/2" keg

Stud Barrel Tees | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

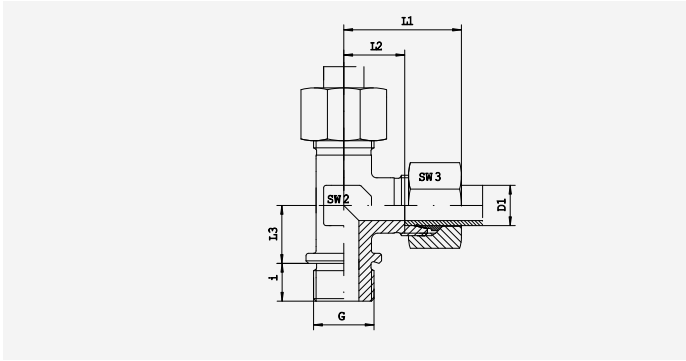
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

TE - COUPLINGS - SILVER COATED

Stud Barrel Tees | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	G 3/4" zyl	44	27,5	26	16	27	36	
160	28	G 1" zyl	47	30,5	30	18	36	41	
160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	
160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	G 3/4" zyl	48	26,5	26	16	27	36	
250	25	G 1" zyl	54	30,0	30	18	36	46	
160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	
160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	

Stud Barrel Tee Bodies | L- and S-Series | Thread: BSP - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
160	22	G 3/4" zyl
160	28	G 1" zyl
160	35	G 1 1/4" zyl
160	42	G 1 1/2" zyl

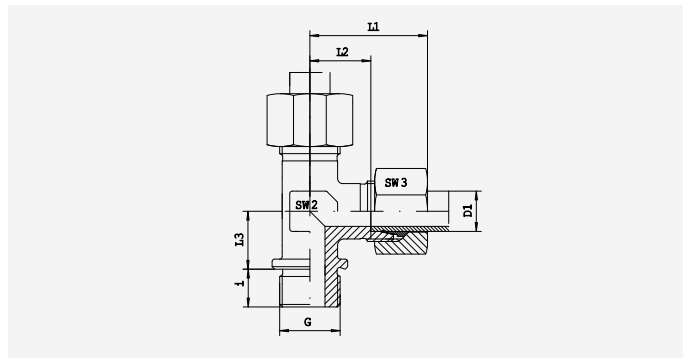
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
400	20	G 3/4" zyl
250	25	G 1" zyl
160	30	G 1 1/4" zyl
160	38	G 1 1/2" zyl

LE - COUPLINGS

Stud Barrel Tees i LL-, L- and S-Series i Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
100	4	M 6 x 1 keg	21	11,0	17	8	9	10
100	4	M 8 x 1 keg	21	11,0	17	8	9	10
100	6	M 6 x 1 keg				8	9	12
100	6	M 8 x 1 keg				8	9	12
100	6	M 10 x 1 keg	21	9,5	17	8	9	12
100	8	M 8 x 1 keg				8	12	14
100	8	M 10 x 1 keg	23	11,5	20	8	12	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
315	6	M 10 x 1 keg	27	12,0	20	8	12	14
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27
315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32

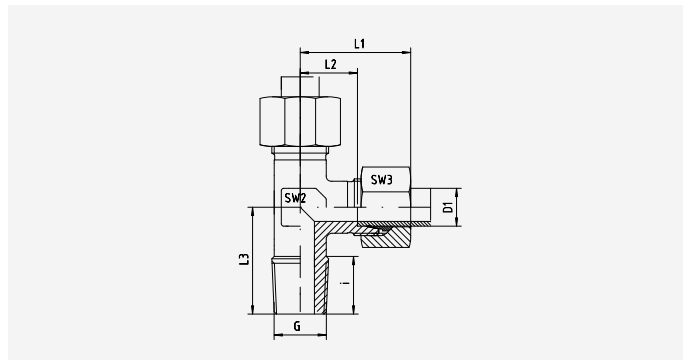
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L3	i	SW2	SW3
630 **	6	M 12 x 1,5 keg	31	16,0	20	12	12	17
630 **	8	M 14 x 1,5 keg	32	17,0	26	12	14	19
630 **	10	M 16 x 1,5 keg	34	17,5	27	12	17	22
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	19	27
400 **	16	M 22 x 1,5 keg	43	24,5	36	14	24	30

LE - COUPLINGS

Stud Barrel Tees | L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	GG	L1	L2	L3	i	SW2	SW3	
315	6	M 10 x 1 keg	27	12,0	20	8	12	14	
315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	
315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	
315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	
315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	
315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
630 **	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	
630 **	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	
630 **	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	
630 **	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	
630 **	14	M 20 x 1,5 keg	40	22,0	32	14	19	27	
400 **	16	M 22 x 1,5 keg	43	24,5	32	14	24	30	

LE - COUPLINGS

Stud Barrel Tee Bodies | LL-, L- and S-Series | Thread: Metric - Taper

** The pressure rates are only valid, if the female parts are with tapered threads too.



Series LL

Pressure PN	Tube O.D. D1	Thread G
100	4	M 6 x 1 keg
100	4	M 8 x 1 keg
100	6	M 6 x 1 keg
100	6	M 8 x 1 keg
100	6	M 10 x 1 keg
100	8	M 8 x 1 keg
100	8	M 10 x 1 keg

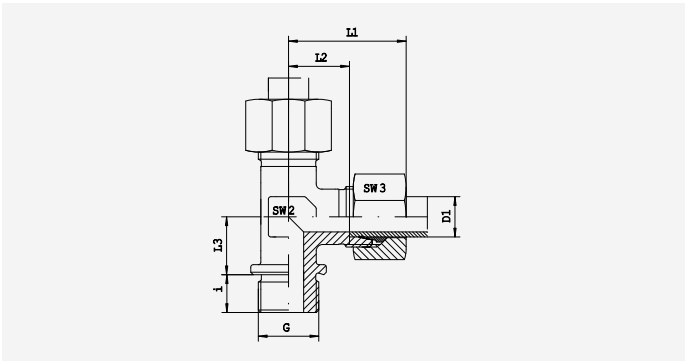
Series L

Pressure PN	Tube O.D. D1	Thread G
315	6	M 10 x 1 keg
315	8	M 12 x 1,5 keg
315	10	M 14 x 1,5 keg
315	12	M 16 x 1,5 keg
315	15	M 18 x 1,5 keg
315	18	M 22 x 1,5 keg

Series S

Pressure PN	Tube O.D. D1	Thread G
630 **	6	M 12 x 1,5 keg
630 **	8	M 14 x 1,5 keg
630 **	10	M 16 x 1,5 keg
630 **	12	M 18 x 1,5 keg
630 **	14	M 20 x 1,5 keg
400 **	16	M 22 x 1,5 keg

Stud Barrel Tees | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

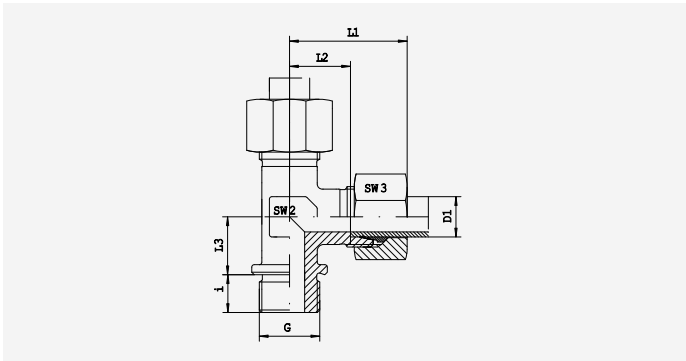
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	

LE - COUPLINGS - SILVER COATED

Stud Barrel Tees | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	
160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	
160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	
160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	
250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	
160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	
160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	

Stud Barrel Tee Bodies | L- and S-Series | Thread: Metric - Parallel | Sealing by Sealing Shoulder Form B



Series L

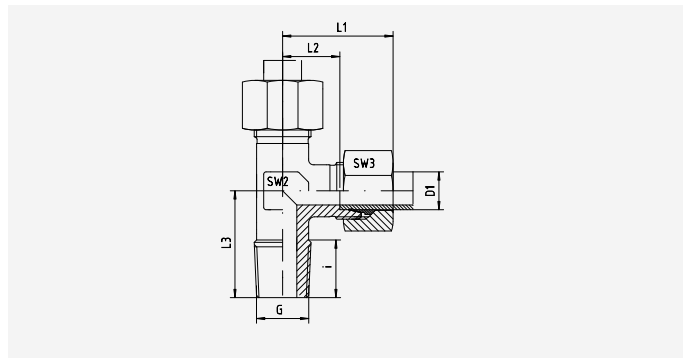
Pressure	Tube O.D.	Thread
PN	D1	G
160	22	M 26 x 1,5 zyl
160	28	M 33 x 2 zyl
160	35	M 42 x 2 zyl
160	42	M 48 x 2 zyl

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
400	20	M 27 x 2 zyl
250	25	M 33 x 2 zyl
160	30	M 42 x 2 zyl
160	38	M 48 x 2 zyl

LE - COUPLINGS

Stud Barrel Tees i LL-, L- and S-Series i Thread: NPT



Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
100	4	1/8" NPT	21	11,0	17	10,0	9	10	
100	6	1/8" NPT	21	9,5	17	10,0	9	14	
100	8	1/8" NPT	23	11,5	20	10,0	12	17	

Series L

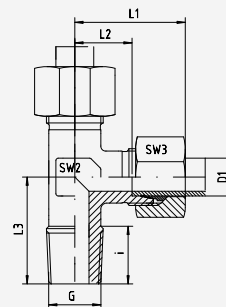
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	L1	L2	L3	i	SW2	SW3	
315	6	1/8" NPT	27	12,0	20	10,0	12	14	
315	6	1/4" NPT	29	14,0	26	15,0	12	14	
315	8	1/4" NPT	29	14,0	26	15,0	12	17	
315	10	1/4" NPT	30	15,0	27	15,0	14	19	
315	10	3/8" NPT				15,3	14	19	
315	10	1/2" NPT				20,0	17	19	
315	12	1/4" NPT	32	17,0	28	15,0	17	22	
315	12	3/8" NPT	32	17,0	28	15,3	17	22	
315	12	1/2" NPT				20,0	17	22	
315	15	3/8" NPT				15,3	19	27	
315	15	1/2" NPT	36	21,0	34	20,0	19	27	
315	18	1/2" NPT	40	23,5	36	20,0	24	32	
160	22	3/4" NPT	44	27,5	42	20,0	27	36	
160	28	1" NPT	47	30,5	48	25,0	36	41	
160	35	1 1/4" NPT	56	34,5	54	25,5	41	50	
160	42	1 1/2" NPT	63	40,0	61	26,0	50	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions							
			PN	D1	G	L1	L2	L3	i	SW2
630	6	1/4" NPT	31	16,0	26	15,0	12	17		
630	8	1/4" NPT	32	17,0	27	15,0	14	19		
630	10	1/4" NPT				15,0	17	22		
630	10	3/8" NPT	34	17,5	28	15,3	17	22		
630	10	1/2" NPT				20,0	17	22		
630	12	1/4" NPT				15,0	17	24		
630	12	3/8" NPT	38	21,5	28	15,3	17	24		
630	12	1/2" NPT	38	21,5	33	20,0	19	24		
630	14	1/2" NPT	40	22,0	34	20,0	19	27		
400	16	1/2" NPT	43	24,5	36	20,0	24	30		
400	20	3/4" NPT	48	26,5	42	20,0	27	36		
400	25	1" NPT	54	30,0	48	25,0	36	46		
400	30	1 1/4" NPT	62	35,5	54	25,5	41	50		
315	38	1 1/2" NPT	72	41,0	61	26,0	50	60		

LE - COUPLINGS - SILVER COATED

Stud Barrel Tees i LL-, L- and S-Series i Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions						
			L1	L2	L3	i	SW2	SW3	
315	6	1/8" NPT	27	12,0	20	10,0	12	14	
315	6	1/4" NPT	29	14,0	26	15,0	12	14	
315	8	1/4" NPT	29	14,0	26	15,0	12	17	
315	10	1/4" NPT	30	15,0	27	15,0	14	19	
315	10	3/8" NPT				15,3	14	19	
315	10	1/2" NPT				20,0	17	19	
315	12	1/4" NPT	32	17,0	28	15,0	17	22	
315	12	3/8" NPT	32	17,0	28	15,3	17	22	
315	12	1/2" NPT				20,0	17	22	
315	15	3/8" NPT				15,3	19	27	
315	15	1/2" NPT	36	21,0	34	20,0	19	27	
315	18	1/2" NPT	40	23,5	36	20,0	24	32	
160	22	3/4" NPT	44	27,5	42	20,0	27	36	
160	28	1" NPT	47	30,5	48	25,0	36	41	
160	35	1 1/4" NPT	56	34,5	54	25,5	41	50	
160	42	1 1/2" NPT	63	40,0	61	26,0	50	60	

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions						
			L1	L2	L3	i	SW2	SW3	
630	6	1/4" NPT	31	16,0	26	15,0	12	17	
630	8	1/4" NPT	32	17,0	27	15,0	14	19	
630	10	1/4" NPT				15,0	17	22	
630	10	3/8" NPT	34	17,5	28	15,3	17	22	
630	10	1/2" NPT				20,0	17	22	
630	12	1/4" NPT				15,0	17	24	
630	12	3/8" NPT	38	21,5	28	15,3	17	24	
630	12	1/2" NPT	38	21,5	33	20,0	19	24	
630	14	1/2" NPT	40	22,0	34	20,0	19	27	
400	16	1/2" NPT	43	24,5	36	20,0	24	30	
400	20	3/4" NPT	48	26,5	42	20,0	27	36	
400	25	1" NPT	54	30,0	48	25,0	36	46	
400	30	1 1/4" NPT	62	35,5	54	25,5	41	50	
315	38	1 1/2" NPT	72	41,0	61	26,0	50	60	

LE - COUPLINGS

Stud Barrel Tee Bodies | LL-, L- and S-Series | Thread: NPT



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	1/8" NPT
100	6	1/8" NPT
100	8	1/8" NPT

Series L

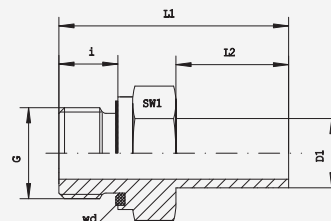
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	1/8" NPT
315	6	1/4" NPT
315	8	1/4" NPT
315	10	1/4" NPT
315	10	3/8" NPT
315	10	1/2" NPT
315	12	1/4" NPT
315	12	3/8" NPT
315	12	1/2" NPT
315	15	3/8" NPT
315	15	1/2" NPT
315	18	1/2" NPT
160	22	3/4" NPT
160	28	1" NPT
160	35	1 1/4" NPT
160	42	1 1/2" NPT

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	1/4" NPT
630	8	1/4" NPT
630	10	1/4" NPT
630	10	3/8" NPT
630	10	1/2" NPT
630	12	1/4" NPT
630	12	3/8" NPT
630	12	1/2" NPT
630	14	1/2" NPT
400	16	1/2" NPT
400	20	3/4" NPT
400	25	1" NPT
400	30	1 1/4" NPT
315	38	1 1/2" NPT

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

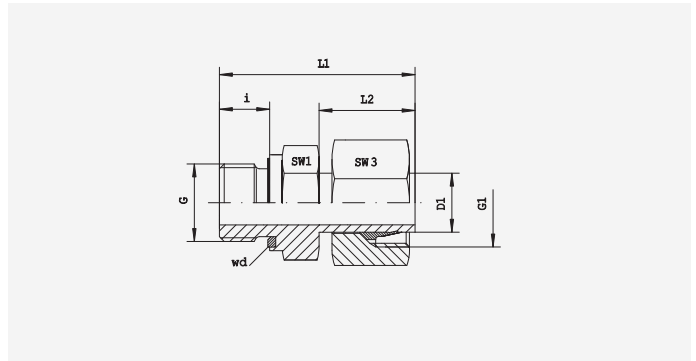
Pressure	Tube O.D.	Thread	Approx. Dimensions			
PN	D1	G	L1	L2	i	SW1
315	6	G 1/8"	32,5	19,0	8	14
315	6	G 1/4"	39,5	20,5	12	19
315	8	G 1/4"	41,0	20,5	12	19
315	8	G 3/8"	42,5	20,5	12	22
315	10	G 1/4"	39,5	20,5	12	19
315	10	G 3/8"	44,0	21,0	12	22
315	10	G 1/2"	47,0	21,0	14	27
315	12	G 1/4"	42,0	21,5	12	19
315	12	G 3/8"	45,0	22,0	12	22
315	12	G 1/2"	48,5	22,5	14	27
315	15	G 3/8"	45,5	22,5	12	22
315	15	G 1/2"	46,0	23,0	14	27
315	18	G 3/8"	44,0	23,5	12	22
315	18	G 1/2"	47,0	24,0	14	27
160	18	G 3/4"	52,0	24,0	16	32
160	22	G 3/8"	46,0	24,5	12	24
160	22	G 1/2"	50,5	24,5	14	27
160	22	G 3/4"	50,5	24,5	16	32
160	22	G 1"	52,5	25,5	18	41
160	28	G 3/4"	52,5	25,5	16	32
160	28	G 1"	54,0	25,5	18	41
160	35	G 1 1/4"	63,5	32,0	20	50
160	42	G 1 1/2"	70,0	32,0	22	55

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions			
PN	D1	G	L1	L2	i	SW1
630	6	G 1/8"	32,5	19,0	8	14
630	6	G 1/4"	39,5	20,5	12	19
630	8	G 1/4"	41,0	20,5	12	19
630	8	G 3/8"	42,5	20,5	12	22
630	10	G 1/4"	39,5	20,5	12	19
630	10	G 3/8"	44,0	21,0	12	22
630	10	G 1/2"	46,5	20,5	14	27
630	12	G 1/4"	42,0	21,5	12	19
630	12	G 3/8"	45,0	22,0	12	22
630	12	G 1/2"	48,5	22,5	14	27
630	14	G 1/2"	51,0	24,5	14	27
400	16	G 3/8"	48,5	26,0	12	22
400	16	G 1/2"	51,0	26,0	14	27
400	16	G 3/4"	54,5	26,0	16	32
400	20	G 1/2"	56,5	29,5	14	27
400	20	G 3/4"	59,0	29,0	16	32
400	25	G 3/4"	63,0	33,0	16	32
400	25	G 1"	66,0	33,0	18	41
400	30	G 1 1/4"	71,0	34,0	20	50
315	38	G 1 1/2"	83,5	40,0	22	55

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
315	6	G 1/8"	32,5	19,0	8	14	14
315	6	G 1/4"	39,5	20,5	12	19	14
315	8	G 1/4"	41,0	20,5	12	19	17
315	8	G 3/8"	42,5	20,5	12	22	17
315	10	G 1/4"	39,5	20,5	12	19	19
315	10	G 3/8"	44,0	21,0	12	22	19
315	10	G 1/2"	47,0	21,0	14	27	19
315	12	G 1/4"	42,0	21,5	12	19	22
315	12	G 3/8"	45,0	22,0	12	22	22
315	12	G 1/2"	48,5	22,5	14	27	22
315	15	G 3/8"	45,5	22,5	12	22	27
315	15	G 1/2"	46,0	23,0	14	27	27
315	18	G 3/8"	44,0	23,5	12	22	32
315	18	G 1/2"	47,0	24,0	14	27	32
160	18	G 3/4"	52,0	24,0	16	32	32
160	22	G 3/8"	46,0	24,5	12	24	36
160	22	G 1/2"	50,5	24,5	14	27	36
160	22	G 3/4"	50,5	24,5	16	32	36
160	22	G 1"	52,5	25,5	18	41	36
160	28	G 3/4"	52,5	25,5	16	32	41
160	28	G 1"	54,0	25,5	18	41	41
160	35	G 1 1/4"	63,5	32,0	20	50	50
160	42	G 1 1/2"	70,0	32,0	22	55	60

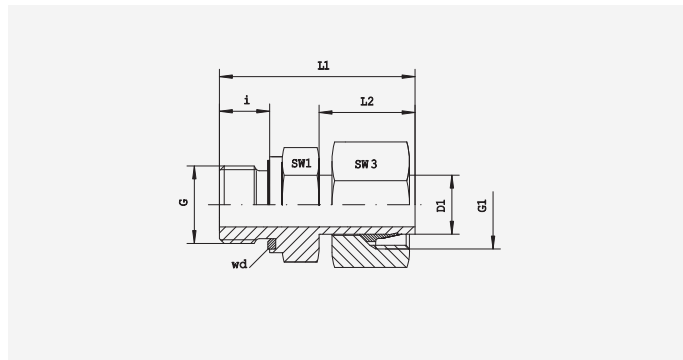
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
			L1	L2	i	SW1	SW3
PN	D1	G					
630	6	G 1/8"	32,5	19,0	8	14	17
630	6	G 1/4"	39,5	20,5	12	19	17
630	8	G 1/4"	41,0	20,5	12	19	19
630	8	G 3/8"	42,5	20,5	12	22	19
630	10	G 1/4"	39,5	20,5	12	19	22
630	10	G 3/8"	44,0	21,0	12	22	22
630	10	G 1/2"	47,0	21,0	14	27	22
630	12	G 1/4"	42,0	21,5	12	19	24
630	12	G 3/8"	45,0	22,0	12	22	24
630	12	G 1/2"	48,5	22,5	14	27	24
630	14	G 1/2"	51,0	24,5	14	27	27
400	16	G 3/8"	48,5	26,0	12	22	30
400	16	G 1/2"	51,0	26,0	14	27	30
400	16	G 3/4"	54,5	26,0	16	32	30
400	20	G 1/2"	56,5	29,5	14	27	36
400	20	G 3/4"	59,0	29,0	16	32	36
400	25	G 3/4"	63,0	33,0	16	32	46
400	25	G 1"	66,0	33,0	18	41	46
400	30	G 1 1/4"	71,0	34,0	20	50	50
315	38	G 1 1/2"	83,5	40,0	22	55	60

STUD STANDPIPE CONNECTORS - SILVER COATED

Pre-Assembled | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
315	6	G 1/8"	32,5	19,0	8	14	14
315	6	G 1/4"	39,5	20,5	12	19	14
315	8	G 1/4"	41,0	20,5	12	19	17
315	8	G 3/8"	42,5	20,5	12	22	17
315	10	G 1/4"	39,5	20,5	12	19	19
315	10	G 3/8"	44,0	21,0	12	22	19
315	10	G 1/2"	47,0	21,0	14	27	19
315	12	G 1/4"	42,0	21,5	12	19	22
315	12	G 3/8"	45,0	22,0	12	22	22
315	12	G 1/2"	48,5	22,5	14	27	22
315	15	G 3/8"	45,5	22,5	12	22	27
315	15	G 1/2"	46,0	23,0	14	27	27
315	18	G 3/8"	44,0	23,5	12	22	32
315	18	G 1/2"	47,0	24,0	14	27	32
160	18	G 3/4"	52,0	24,0	16	32	32
160	22	G 3/8"	46,0	24,5	12	24	36
160	22	G 1/2"	50,5	24,5	14	27	36
160	22	G 3/4"	50,5	24,5	16	32	36
160	22	G 1"	52,5	25,5	18	41	36
160	28	G 3/4"	52,5	25,5	16	32	41
160	28	G 1"	54,0	25,5	18	41	41
160	35	G 1 1/4"	63,5	32,0	20	50	50
160	42	G 1 1/2"	70,0	32,0	22	55	60

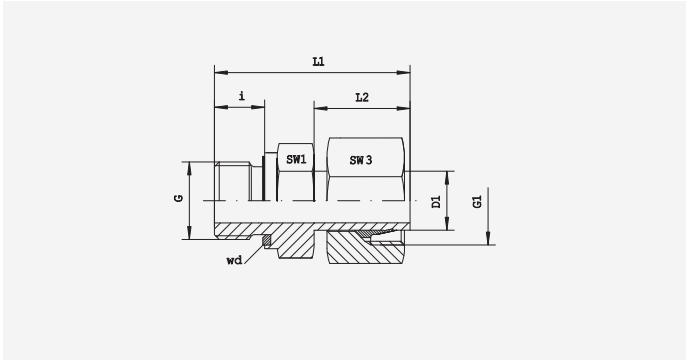
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
630	6	G 1/8"	32,5	19,0	8	14	17
630	6	G 1/4"	39,5	20,5	12	19	17
630	8	G 1/4"	41,0	20,5	12	19	19
630	8	G 3/8"	42,5	20,5	12	22	19
630	10	G 1/4"	39,5	20,5	12	19	22
630	10	G 3/8"	44,0	21,0	12	22	22
630	10	G 1/2"	47,0	21,0	14	27	22
630	12	G 1/4"	42,0	21,5	12	19	24
630	12	G 3/8"	45,0	22,0	12	22	24
630	12	G 1/2"	48,5	22,5	14	27	24
630	14	G 1/2"	51,0	24,5	14	27	27
400	16	G 3/8"	48,5	26,0	12	22	30
400	16	G 1/2"	51,0	26,0	14	27	30
400	16	G 3/4"	54,5	26,0	16	32	30
400	20	G 1/2"	56,5	29,5	14	27	36
400	20	G 3/4"	59,0	29,0	16	32	36
400	25	G 3/4"	63,0	33,0	16	32	46
400	25	G 1"	66,0	33,0	18	41	46

STUD STANDPIPE CONNECTORS - SILVER COATED

Pre-Assembled | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

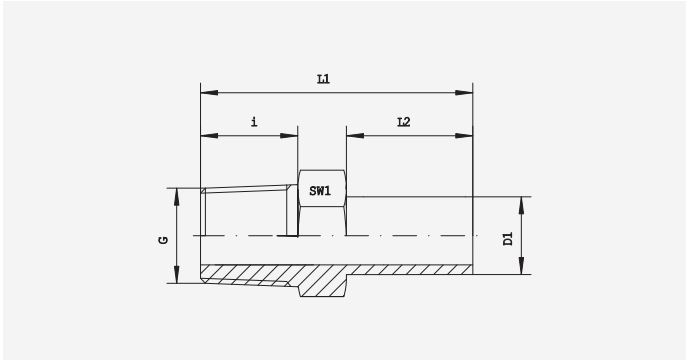


Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
400	30	G 1 1/4"	71,0	34,0	20	50	50	
315	38	G 1 1/2"	83,5	40,0	22	55	60	

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
315	6	1/8" NPT	32,0	19,0	10,0	12
315	6	1/4" NPT	40,0	19,0	15,0	14
315	8	1/4" NPT	40,5	20,0	15,0	14
315	10	1/4" NPT	39,5	19,0	15,0	14
315	12	1/4" NPT	42,0	22,0	15,0	14
315	12	3/8" NPT	43,0	22,0	15,3	19
315	12	1/2" NPT	50,0	22,0	20,0	22
315	15	3/8" NPT			15,3	19
315	15	1/2" NPT	48,0	22,0	20,0	22
315	18	1/2" NPT	50,0	24,0	20,0	22
160	22	3/4" NPT	52,0	24,5	20,0	27
160	28	1" NPT	59,0	25,5	25,0	36
160	35	1 1/4" NPT	66,0	32,0	25,5	46
160	42	1 1/2" NPT	68,0	32,0	26,0	50

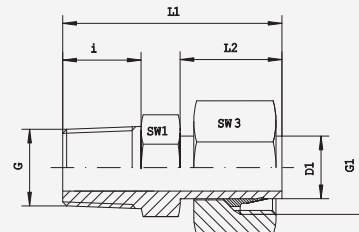
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
630	6	1/4" NPT	40,0	19,0	15,0	14
630	8	1/4" NPT	40,5	20,0	15,0	14
630	10	1/4" NPT	39,5	19,0	15,0	14
630	10	3/8" NPT	44,0	21,0	15,3	19
630	12	1/4" NPT	42,0	22,0	15,0	14
630	12	3/8" NPT	43,0	22,0	15,3	19
630	12	1/2" NPT	50,0	22,0	20,0	22
630	14	1/2" NPT	48,0	23,5	20,0	22
400	16	1/2" NPT	54,0	24,0	20,0	22
400	20	3/4" NPT	58,0	28,0	20,0	27
400	25	1" NPT	68,0	33,0	25,0	36
400	30	1 1/4" NPT	73,0	33,0	25,5	46
315	38	1 1/2" NPT	81,0	38,0	26,0	50

STUD STANDPIPE CONNECTORS

Pre-Assembled | Thread: NPT | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
315	6	1/8" NPT	M 12 x 1,5	19,0	10,0	12	12	14	
315	6	1/4" NPT	M 12 x 1,5	19,0	15,0	14	14	14	
315	8	1/4" NPT	M 14 x 1,5	20,0	15,0	14	14	17	
315	10	1/4" NPT	M 16 x 1,5	19,0	15,0	14	14	19	
315	12	1/4" NPT	M 18 x 1,5	22,0	15,0	14	14	22	
315	12	3/8" NPT	M 18 x 1,5	22,0	15,3	19	19	22	
315	12	1/2" NPT	M 18 x 1,5	22,0	20,0	22	22	22	
315	15	3/8" NPT	M 22 x 1,5		15,3	19	19	27	
315	15	1/2" NPT	M 22 x 1,5	22,0	20,0	22	22	27	
315	18	1/2" NPT	M 26 x 1,5	24,0	20,0	22	22	32	
160	22	3/4" NPT	M 30 x 2	24,5	20,0	27	27	36	
160	28	1" NPT	M 36 x 2	25,5	25,0	36	36	41	
160	35	1 1/4" NPT	M 45 x 2	32,0	25,5	46	46	50	
160	42	1 1/2" NPT	M 52 x 2	32,0	26,0	50	50	60	

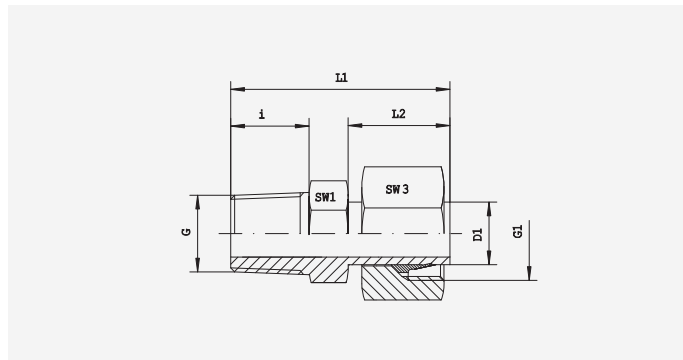
Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
630	6	1/4" NPT	M 14 x 1,5	40,0	19,0	15,0	14	17	
630	8	1/4" NPT	M 16 x 1,5	40,5	20,0	15,0	14	19	
630	10	1/4" NPT	M 18 x 1,5	39,5	19,0	15,0	14	22	
630	10	3/8" NPT	M 18 x 1,5	44,0	21,0	15,3	19	22	
630	12	1/4" NPT	M 20 x 1,5	42,0	22,0	15,0	14	24	
630	12	3/8" NPT	M 20 x 1,5	43,0	22,0	15,3	19	24	
630	12	1/2" NPT	M 20 x 1,5	50,0	22,0	20,0	22	24	
630	14	1/2" NPT	M 22 x 1,5	48,0	23,5	20,0	22	27	
400	16	1/2" NPT	M 24 x 1,5	54,0	24,0	20,0	22	30	
400	20	3/4" NPT	M 30 x 2	58,0	28,0	20,0	27	36	
400	25	1" NPT	M 36 x 2	68,0	33,0	25,0	36	46	
400	30	1 1/4" NPT	M 42 x 2	73,0	33,0	25,5	46	50	
315	38	1 1/2" NPT	M 52 x 2	81,0	38,0	26,0	50	60	

STUD STANDPIPE CONNECTORS - SILVER COATED

Pre-Assembled | Thread: NPT | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

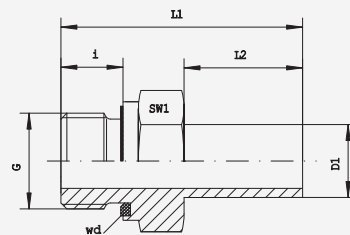
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
315	6	1/8" NPT	M 12 x 1,5	19,0	10,0	12	12	14	
315	6	1/4" NPT	M 12 x 1,5	19,0	15,0	14	14	14	
315	8	1/4" NPT	M 14 x 1,5	20,0	15,0	14	14	17	
315	10	1/4" NPT	M 16 x 1,5	19,0	15,0	14	14	19	
315	12	1/4" NPT	M 18 x 1,5	22,0	15,0	14	14	22	
315	12	3/8" NPT	M 18 x 1,5	22,0	15,3	19	19	22	
315	12	1/2" NPT	M 18 x 1,5	22,0	20,0	22	22	22	
315	15	3/8" NPT	M 22 x 1,5		15,3	19	19	27	
315	15	1/2" NPT	M 22 x 1,5	22,0	20,0	22	22	27	
315	18	1/2" NPT	M 26 x 1,5	24,0	20,0	22	22	32	
160	22	3/4" NPT	M 30 x 2	24,5	20,0	27	27	36	
160	28	1" NPT	M 36 x 2	25,5	25,0	36	36	41	
160	35	1 1/4" NPT	M 45 x 2	32,0	25,5	46	46	50	
160	42	1 1/2" NPT	M 52 x 2	32,0	26,0	50	50	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
630	6	1/4" NPT	M 14 x 1,5	40,0	19,0	15,0	14	17	
630	8	1/4" NPT	M 16 x 1,5	40,5	20,0	15,0	14	19	
630	10	1/4" NPT	M 18 x 1,5	39,5	19,0	15,0	14	22	
630	10	3/8" NPT	M 18 x 1,5	44,0	21,0	15,3	19	22	
630	12	1/4" NPT	M 20 x 1,5	42,0	22,0	15,0	14	24	
630	12	3/8" NPT	M 20 x 1,5	43,0	22,0	15,3	19	24	
630	12	1/2" NPT	M 20 x 1,5	50,0	22,0	20,0	22	24	
630	14	1/2" NPT	M 22 x 1,5	48,0	23,5	20,0	22	27	
400	16	1/2" NPT	M 24 x 1,5	54,0	24,0	20,0	22	30	
400	20	3/4" NPT	M 30 x 2	58,0	28,0	20,0	27	36	
400	25	1" NPT	M 36 x 2	68,0	33,0	25,0	36	46	
400	30	1 1/4" NPT	M 42 x 2	73,0	33,0	25,5	46	50	
315	38	1 1/2" NPT	M 52 x 2	81,0	38,0	26,0	50	60	

STUD STANDPIPE CONNECTORS - SILVER COATED

Not pre-assembled | Thread: Metric - paralell | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

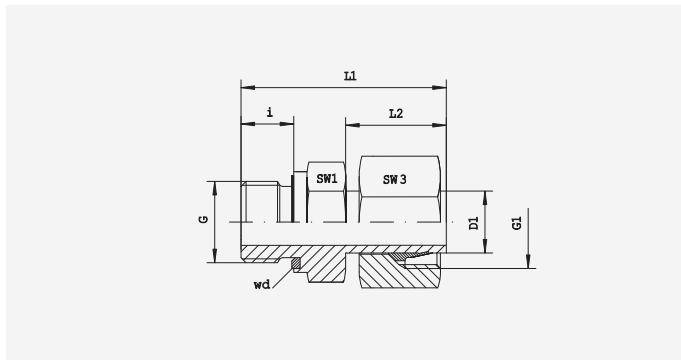
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
315	6	M 10 x 1	32,5	19,0	8	14
315	8	M 12 x 1,5	38,5	19,5	12	17
315	10	M 14 x 1,5	39,5	20,5	12	19
315	12	M 16 x 1,5	42,0	22,0	12	22
315	15	M 18 x 1,5	43,5	23,0	12	24
315	18	M 22 x 1,5	47,0	24,0	14	27
160	22	M 26 x 1,5	50,5	24,5	16	32
160	28	M 33 x 2	54,0	25,5	18	41
160	35	M 42 x 2	62,5	30,5	20	50
160	42	M 48 x 2	68,5	32,5	22	55

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
630	6	M 12 x 1,5	39,5	19,0	12	17
630	8	M 14 x 1,5	40,5	19,5	12	19
630	10	M 16 x 1,5	44,0	21,5	12	22
630	12	M 18 x 1,5	46,0	22,5	12	24
630	14	M 20 x 1,5	50,0	23,5	14	27
400	16	M 22 x 1,5	51,0	26,0	14	27
400	20	M 27 x 2	59,0	28,0	16	32
400	25	M 33 x 2	65,5	31,0	18	41
400	30	M 42 x 2	71,0	34,0	20	50
315	38	M 48 x 2	83,5	40,0	22	55

STUD STANDPIPE CONNECTORS

Pre-Assembled | Thread: Metric - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

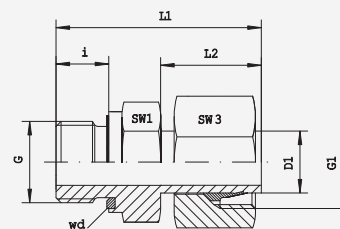
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	M 12 x 1,5	32,5	19,0	8	14	14	
315	8	M 12 x 1,5	M 14 x 1,5	38,5	19,5	12	17	17	
315	10	M 14 x 1,5	M 16 x 1,5	39,5	20,5	12	19	19	
315	12	M 16 x 1,5	M 18 x 1,5	42,0	22,0	12	22	22	
315	15	M 18 x 1,5	M 22 x 1,5	43,5	23,0	12	24	27	
315	18	M 22 x 1,5	M 26 x 1,5	47,0	24,0	14	27	32	
160	22	M 26 x 1,5	M 30 x 2	50,5	24,5	16	32	36	
160	28	M 33 x 2	M 36 x 2	54,0	25,5	18	41	41	
160	35	M 42 x 2	M 45 x 2	62,5	30,5	20	50	50	
160	42	M 48 x 2	M 52 x 2	68,5	32,5	22	55	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	M 12 x 1,5	M 14 x 1,5	39,5	19,0	12	17	17	
630	8	M 14 x 1,5	M 16 x 1,5	40,5	19,5	12	19	19	
630	10	M 16 x 1,5	M 18 x 1,5	44,0	21,5	12	22	22	
630	12	M 18 x 1,5	M 20 x 1,5	46,0	22,5	12	24	24	
630	14	M 20 x 1,5	M 22 x 1,5	50,0	23,5	14	27	27	
400	16	M 22 x 1,5	M 24 x 1,5	51,0	26,0	14	27	30	
400	20	M 27 x 2	M 30 x 2	59,0	28,0	16	32	36	
400	25	M 33 x 2	M 36 x 2	65,5	31,0	18	41	46	
400	30	M 42 x 2	M 42 x 2	71,0	34,0	20	50	50	
315	38	M 48 x 2	M 52 x 2	83,5	40,0	22	55	60	

STUD STANDPIPE CONNECTORS - SILVER COATED

Pre-Assembled | Thread: Metric - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

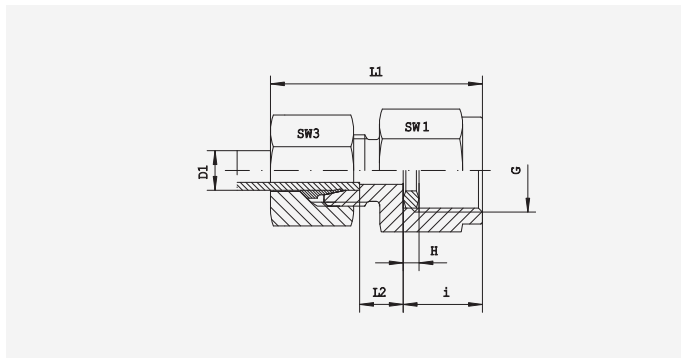
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	M 12 x 1,5	32,5	19,0	8	14	14	
315	8	M 12 x 1,5	M 14 x 1,5	38,5	19,5	12	17	17	
315	10	M 14 x 1,5	M 16 x 1,5	39,5	20,5	12	19	19	
315	12	M 16 x 1,5	M 18 x 1,5	42,0	22,0	12	22	22	
315	15	M 18 x 1,5	M 22 x 1,5	43,5	23,0	12	24	27	
315	18	M 22 x 1,5	M 26 x 1,5	47,0	24,0	14	27	32	
160	22	M 26 x 1,5	M 30 x 2	50,5	24,5	16	32	36	
160	28	M 33 x 2	M 36 x 2	54,0	25,5	18	41	41	
160	35	M 42 x 2	M 45 x 2	62,5	30,5	20	50	50	
160	42	M 48 x 2	M 52 x 2	68,5	32,5	22	55	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	M 12 x 1,5	M 14 x 1,5	39,5	19,0	12	17	17	
630	8	M 14 x 1,5	M 16 x 1,5	40,5	19,5	12	19	19	
630	10	M 16 x 1,5	M 18 x 1,5	44,0	21,5	12	22	22	
630	12	M 18 x 1,5	M 20 x 1,5	46,0	22,5	12	24	24	
630	14	M 20 x 1,5	M 22 x 1,5	50,0	23,5	14	27	27	
400	16	M 22 x 1,5	M 24 x 1,5	51,0	26,0	14	27	30	
400	20	M 27 x 2	M 30 x 2	59,0	28,0	16	32	36	
400	25	M 33 x 2	M 36 x 2	65,5	31,0	18	41	46	
400	30	M 42 x 2	M 42 x 2	71,0	34,0	20	50	50	
315	38	M 48 x 2	M 52 x 2	83,5	40,0	22	55	60	

MV - GAUGE COUPLINGS

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

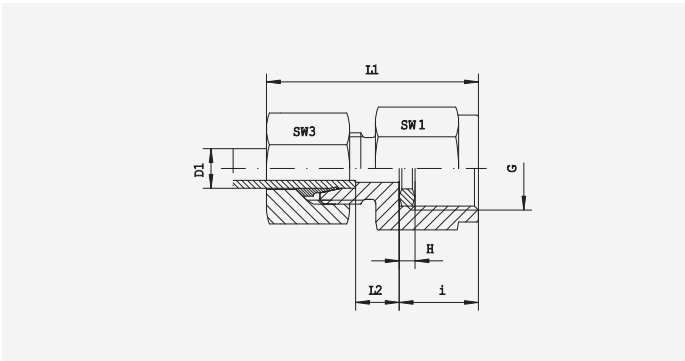
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	H	L1	L2	i	SW1	SW3	
315	6	G 1/4"	4,5	37,0	7,5	14,5	19	14	
315	6	G 1/2"	5,0	46,0	9,0	20,0	27	14	
315	8	G 1/4"	4,5	37,0	7,5	14,5	19	17	
315	8	G 1/2"	5,0	46,0	9,0	20,0	27	17	
315	10	G 1/4"	4,5	38,0	8,5	14,5	19	19	
315	10	G 1/2"	5,0	47,0	9,5	20,0	27	19	
315	12	G 1/4"	4,5	38,0	8,5	14,5	19	22	
315	12	G 1/2	5,0	48,0	10,0	20,0	27	22	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions							
			PN	D1	G	H	L1	L2	i	SW1
630	6	G 1/2"	5,0	46,0	11,0	20,0	27	17		
630	8	G 1/4"	4,5	40,0	9,5	14,5	19	19		
630	8	G 1/2"	5,0	46,0	11,0	20,0	27	19		
630	10	G 1/4"	4,5	40,5	9,0	14,5	19	22		
630	10	G 1/2"	5,0	47,0	10,5	20,0	27	22		
630	12	G 1/4"	4,5	41,0	8,0	14,5	22	24		
630	12	G 1/2"	5,0	47,0	10,5	20,0	27	24		

MV - GAUGE COUPLINGS - SILVER COATED

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	H	L1	L2	i	SW1	SW3	
315	6	G 1/4"	4,5	37,0	7,5	14,5	19	14	
315	6	G 1/2"	5,0	46,0	9,0	20,0	27	14	
315	8	G 1/4"	4,5	37,0	7,5	14,5	19	17	
315	8	G 1/2"	5,0	46,0	9,0	20,0	27	17	
315	10	G 1/4"	4,5	38,0	8,5	14,5	19	19	
315	10	G 1/2"	5,0	47,0	9,5	20,0	27	19	
315	12	G 1/4"	4,5	38,0	8,5	14,5	19	22	
315	12	G 1/2"	5,0	48,0	10,0	20,0	27	22	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PN	D1	G	H	L1	L2	i	SW1	SW3	
630	6	G 1/2"	5,0	46,0	11,0	20,0	27	17	
630	8	G 1/4"	4,5	40,0	9,5	14,5	19	19	
630	8	G 1/2"	5,0	46,0	11,0	20,0	27	19	
630	10	G 1/4"	4,5	40,5	9,0	14,5	19	22	
630	10	G 1/2"	5,0	47,0	10,5	20,0	27	22	
630	12	G 1/4"	4,5	41,0	8,0	14,5	22	24	
630	12	G 1/2"	5,0	47,0	10,5	20,0	27	24	

MV - GAUGE COUPLINGS

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

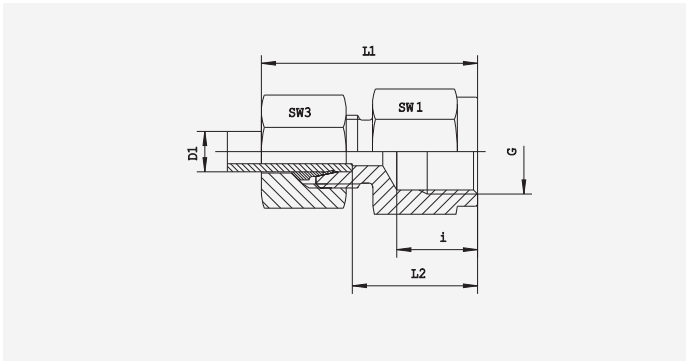
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/4"
315	6	G 1/2"
315	8	G 1/4"
315	8	G 1/2"
315	10	G 1/4"
315	10	G 1/2"
315	12	G 1/4"
315	12	G 1/2"

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/2"
630	8	G 1/4"
630	8	G 1/2"
630	10	G 1/4"
630	10	G 1/2"
630	12	G 1/4"
630	12	G 1/2"

MV - GAUGE COUPLINGS

Gauge Couplings | Internal Thread: NPT



Series L

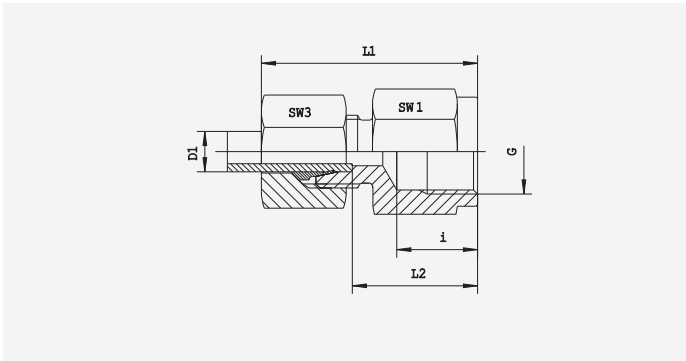
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
315	6	G 1/4"	38	23,5	16,4	19	14	
315	6	G 1/2"	46	31,0	22,6	27	14	
315	8	G 1/4"	38	23,5	16,4	19	17	
315	8	G 1/2"	46	31,0	22,6	27	17	
315	10	G 1/4"	39	24,0	16,4	19	19	
315	10	G 1/2"	47	32,0	22,6	27	19	
315	12	G 1/4"			16,4	19	22	
315	12	G 1/2"	47	32,0	22,6	27	22	

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
630	6	1/2" NPT	48	33,0	22,6	27	17	
630	8	1/2" NPT	48	33,0	22,6	27	19	
630	10	1/2" NPT	49	32,5	22,6	27	22	
630	12	1/2" NPT	49	32,5	22,6	27	24	

MV - GAUGE COUPLINGS - SILVER COATED

Gauge Couplings | Internal Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	G 1/4"	38	23,5	16,4	19	14
315	6	G 1/2"	46	31,0	22,6	27	14
315	8	G 1/4"	38	23,5	16,4	19	17
315	8	G 1/2"	46	31,0	22,6	27	17
315	10	G 1/4"	39	24,0	16,4	19	19
315	10	G 1/2"	47	32,0	22,6	27	19
315	12	G 1/4"			16,4	19	22
315	12	G 1/2"	47	32,0	22,6	27	22

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	1/2" NPT	48	33,0	22,6	27	17
630	8	1/2" NPT	48	33,0	22,6	27	19
630	10	1/2" NPT	49	32,5	22,6	27	22
630	12	1/2" NPT	49	32,5	22,6	27	24

MV - GAUGE COUPLINGS

Gauge Couplings Bodies | Internal Thread: NPT



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	1/4" NPT
315	6	1/2" NPT
315	8	1/4" NPT
315	8	1/2" NPT
315	10	1/4" NPT
315	10	1/2" NPT
315	12	1/4" NPT
315	12	1/2" NPT

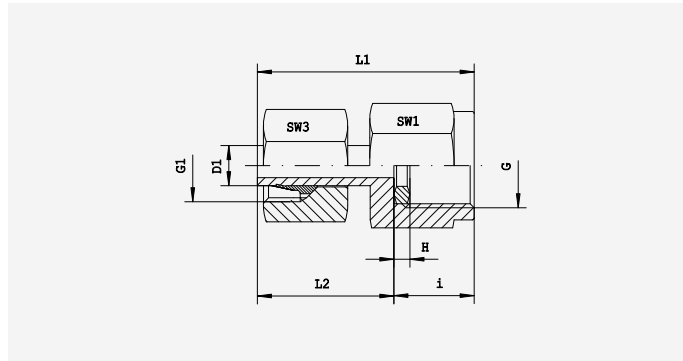
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	1/2" NPT
630	8	1/2" NPT
630	10	1/2" NPT
630	12	1/2" NPT

MV - GAUGE SWIVEL COUPLINGS

Gauge Swivel Couplings | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions				
		G	G1	H	L1	i	SW1	SW3
315	6	G 1/4"	M 12 x 1,5	4,5	38,0	14,5	19	14
315	6	G 1/2"	M 12 x 1,5	5,0	45,0	20,0	27	14
315	8	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17
315	8	G 1/2"	M 14 x 1,5	5,0	47,6	20,0	27	17
315	10	G 1/4"	M 16 x 1,5	4,5	39,5	14,5	19	19
315	10	G 1/2"	M 16 x 1,5	5,0	47,0	20,0	27	19
315	12	G 1/4"	M 18 x 1,5	4,5	40,5	14,5	19	22
315	12	G 1/2"	M 18 x 1,5	5,0	47,5	20,0	27	22

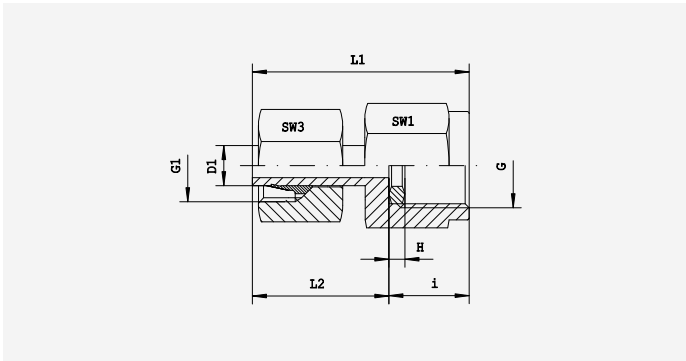
Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions				
		G	G1	H	L1	i	SW1	SW3
630	6	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17
630	6	G 1/2"	M 14 x 1,5	5,0	45,0	20,0	27	17
630	8	G 1/4"	M 16 x 1,5	4,5	38,0	14,5	19	19
630	8	G 1/2"	M 16 x 1,5	5,0	47,6	20,0	27	19
630	10	G 1/4"	M 18 x 1,5	4,5	39,5	14,5	19	22
630	10	G 1/2"	M 18 x 1,5	5,0	47,0	20,0	27	22
630	12	G 1/4"	M 20 x 1,5	4,5	40,5	14,5	19	24
630	12	G 1/2"	M 20 x 1,5	5,0	47,5	20,0	27	24

MV - GAUGE SWIVEL COUPLINGS - SILVER COATED

Gauge Swivel Couplings | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions				
		G	G1	H	L1	i	SW1	SW3
315	6	G 1/4"	M 12 x 1,5	4,5	38,0	14,5	19	14
315	6	G 1/2"	M 12 x 1,5	5,0	45,0	20,0	27	14
315	8	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17
315	8	G 1/2"	M 14 x 1,5	5,0	47,6	20,0	27	17
315	10	G 1/4"	M 16 x 1,5	4,5	39,5	14,5	19	19
315	10	G 1/2"	M 16 x 1,5	5,0	47,0	20,0	27	19
315	12	G 1/4"	M 18 x 1,5	4,5	40,5	14,5	19	22
315	12	G 1/2"	M 18 x 1,5	5,0	47,5	20,0	27	22

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions				
		G	G1	H	L1	i	SW1	SW3
630	6	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17
630	6	G 1/2"	M 14 x 1,5	5,0	45,0	20,0	27	17
630	8	G 1/4"	M 16 x 1,5	4,5	38,0	14,5	19	19
630	8	G 1/2"	M 16 x 1,5	5,0	47,6	20,0	27	19
630	10	G 1/4"	M 18 x 1,5	4,5	39,5	14,5	19	22
630	10	G 1/2"	M 18 x 1,5	5,0	47,0	20,0	27	22
630	12	G 1/4"	M 20 x 1,5	4,5	40,5	14,5	19	24
630	12	G 1/2"	M 20 x 1,5	5,0	47,5	20,0	27	24

MV - GAUGE SWIVEL COUPLINGS

Gauge Swivel Coupling Bodies | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel



Series L

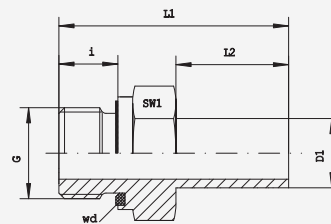
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/4"
315	6	G 1/2"
315	8	G 1/4"
315	8	G 1/2"
315	10	G 1/4"
315	10	G 1/2"
315	12	G 1/4"
315	12	G 1/2"

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/4"
630	6	G 1/2"
630	8	G 1/4"
630	8	G 1/2"
630	10	G 1/4"
630	10	G 1/2"
630	12	G 1/4"
630	12	G 1/2"

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

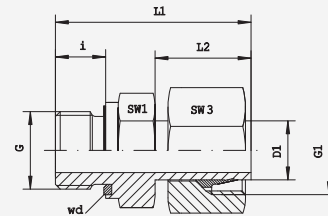
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	L3	SW1
315	6	G 1/8"	32,5	19,0	8	14
315	6	G 1/4"	39,5	20,5	12	19
315	8	G 1/4"	41,0	20,5	12	19
315	8	G 3/8"	42,5	20,5	12	22
315	10	G 1/4"	39,5	20,5	12	19
315	10	G 3/8"	44,0	21,0	12	22
315	10	G 1/2"	47,0	21,0	14	27
315	12	G 1/4"	42,0	21,5	12	19
315	12	G 3/8"	45,0	22,0	12	22
315	12	G 1/2"	48,5	22,5	14	27
315	15	G 3/8"	45,5	22,5	12	22
315	15	G 1/2"	46,0	23,0	14	27
315	18	G 3/8"	44,0	23,5	12	22
315	18	G 1/2"	47,0	24,0	14	27
160	18	G 3/4"	52,0	24,0	16	32
160	22	G 3/8"	46,0	24,5	12	24
160	22	G 1/2"	50,5	24,5	14	27
160	22	G 3/4"	50,5	24,5	16	32
160	22	G 1"	52,5	25,5	18	41
160	28	G 3/4"	52,5	25,5	16	32
160	28	G 1"	54,0	25,5	18	41
160	35	G 1 1/4"	63,5	32,0	20	50
160	42	G 1 1/2"	70,0	32,0	22	55

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	L3	SW1
630	6	G 1/8"	32,5	19,0	8	14
630	6	G 1/4"	39,5	20,5	12	19
630	8	G 1/4"	41,0	20,5	12	19
630	8	G 3/8"	42,5	20,5	12	22
630	10	G 1/4"	39,5	20,5	12	19
630	10	G 3/8"	44,0	21,0	12	22
630	10	G 1/2"	46,5	20,5	14	27
630	12	G 1/4"	42,0	21,5	12	19
630	12	G 3/8"	45,0	22,0	12	22
630	12	G 1/2"	48,5	22,5	14	27
630	14	G 1/2"	51,0	24,5	14	27
400	16	G 3/8"	48,5	26,0	12	22
400	16	G 1/2"	51,0	26,0	14	27
400	16	G 3/4"	54,5	26,0	16	32
400	20	G 1/2"	56,5	29,5	14	27
400	20	G 3/4"	59,0	29,0	16	32
400	25	G 3/4"	63,0	33,0	16	32
400	25	G 1"	66,0	33,0	18	41
400	30	G 1 1/4"	71,0	34,0	20	50
315	38	G 1 1/2"	83,5	40,0	22	55

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	L3	SW1	
315	6	G 1/8"	32,5	19,0	8	14	
315	6	G 1/4"	39,5	20,5	12	14	
315	8	G 1/4"	41,0	20,5	12	17	
315	8	G 3/8"	42,5	20,5	12	17	
315	10	G 1/4"	39,5	20,5	12	19	
315	10	G 3/8"	44,0	21,0	12	19	
315	10	G 1/2"	47,0	21,0	14	19	
315	12	G 1/4"	42,0	21,5	12	22	
315	12	G 3/8"	45,0	22,0	12	22	
315	12	G 1/2"	48,5	22,5	14	22	
315	15	G 3/8"	45,5	22,5	12	27	
315	15	G 1/2"	46,0	23,0	14	27	
315	18	G 3/8"	44,0	23,5	12	32	
315	18	G 1/2"	47,0	24,0	14	32	
160	18	G 3/4"	52,0	24,0	16	32	
160	22	G 3/8"	46,0	24,5	12	36	
160	22	G 1/2"	50,5	24,5	14	36	
160	22	G 3/4"	50,5	24,5	16	36	
160	22	G 1"	52,5	25,5	18	36	
160	28	G 3/4"	52,5	25,5	16	41	
160	28	G 1"	54,0	25,5	18	41	
160	35	G 1 1/4"	63,5	32,0	20	50	
160	42	G 1 1/2"	70,0	32,0	22	60	

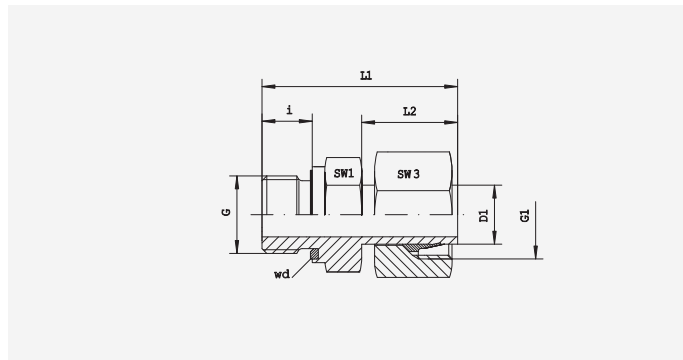
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions					
PN	D1	G	L1	L2	i	SW1	SW3	
630	6	G 1/8"	32,5	19,0	8	14	17	
630	6	G 1/4"	39,5	20,5	12	19	17	
630	8	G 1/4"	41,0	20,5	12	19	19	
630	8	G 3/8"	42,5	20,5	12	22	19	
630	10	G 1/4"	39,5	20,5	12	19	22	
630	10	G 3/8"	44,0	21,0	12	22	22	
630	10	G 1/2"	47,0	21,0	14	27	22	
630	12	G 1/4"	42,0	21,5	12	19	24	
630	12	G 3/8"	45,0	22,0	12	22	24	
630	12	G 1/2"	48,5	22,5	14	27	24	
630	14	G 1/2"	51,0	24,5	14	27	27	
400	16	G 3/8"	48,5	26,0	12	22	30	
400	16	G 1/2"	51,0	26,0	14	27	30	
400	16	G 3/4"	54,5	26,0	16	32	30	
400	20	G 1/2"	56,5	29,5	14	27	36	
400	20	G 3/4"	59,0	29,0	16	32	36	
400	25	G 3/4"	63,0	33,0	16	32	46	
400	25	G 1"	66,0	33,0	18	41	46	
400	30	G 1 1/4"	71,0	34,0	20	50	50	
315	38	G 1 1/2"	83,5	40,0	22	55	60	

STUD STANDPIPE CONNECTORS - SILVER CODE

Pre-Assembled | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
315	6	G 1/8"	32,5	19,0	8	14	14
315	6	G 1/4"	39,5	20,5	12	19	14
315	8	G 1/4"	41,0	20,5	12	19	17
315	8	G 3/8"	42,5	20,5	12	22	17
315	10	G 1/4"	39,5	20,5	12	19	19
315	10	G 3/8"	44,0	21,0	12	22	19
315	10	G 1/2"	47,0	21,0	14	27	19
315	12	G 1/4"	42,0	21,5	12	19	22
315	12	G 3/8"	45,0	22,0	12	22	22
315	12	G 1/2"	48,5	22,5	14	27	22
315	15	G 3/8"	45,5	22,5	12	22	27
315	15	G 1/2"	46,0	23,0	14	27	27
315	18	G 3/8"	44,0	23,5	12	22	32
315	18	G 1/2"	47,0	24,0	14	27	32
160	18	G 3/4"	52,0	24,0	16	32	32
160	22	G 3/8"	46,0	24,5	12	24	36
160	22	G 1/2"	50,5	24,5	14	27	36
160	22	G 3/4"	50,5	24,5	16	32	36
160	22	G 1"	52,5	25,5	18	41	36
160	28	G 3/4"	52,5	25,5	16	32	41
160	28	G 1"	54,0	25,5	18	41	41
160	35	G 1 1/4"	63,5	32,0	20	50	50
160	42	G 1 1/2"	70,0	32,0	22	55	60

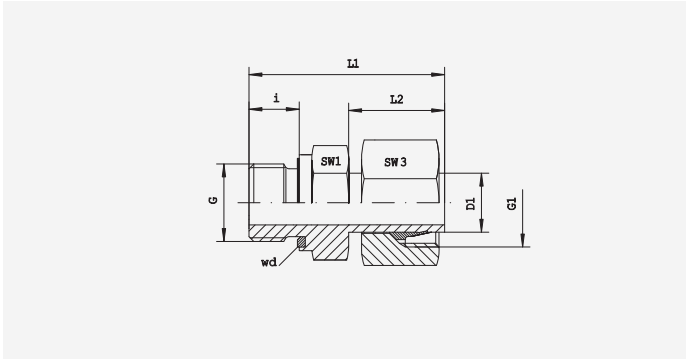
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	i	SW1	SW3
630	6	G 1/8"	32,5	19,0	8	14	17
630	6	G 1/4"	39,5	20,5	12	19	17
630	8	G 1/4"	41,0	20,5	12	19	19
630	8	G 3/8"	42,5	20,5	12	22	19
630	10	G 1/4"	39,5	20,5	12	19	22
630	10	G 3/8"	44,0	21,0	12	22	22
630	10	G 1/2"	47,0	21,0	14	27	22
630	12	G 1/4"	42,0	21,5	12	19	24
630	12	G 3/8"	45,0	22,0	12	22	24
630	12	G 1/2"	48,5	22,5	14	27	24
630	14	G 1/2"	51,0	24,5	14	27	27
400	16	G 3/8"	48,5	26,0	12	22	30
400	16	G 1/2"	51,0	26,0	14	27	30
400	16	G 3/4"	54,5	26,0	16	32	30
400	20	G 1/2"	56,5	29,5	14	27	36
400	20	G 3/4"	59,0	29,0	16	32	36
400	25	G 3/4"	63,0	33,0	16	32	46
400	25	G 1"	66,0	33,0	18	41	46

STUD STANDPIPE CONNECTORS - SILVER CODE

Pre-Assembled | Thread: BSP - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

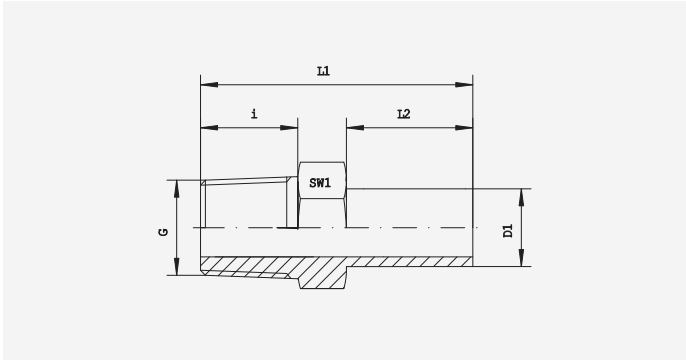


Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
400	30	G 1 1/4"	71,0	34,0	20	50	50	
315	38	G 1 1/2"	83,5	40,0	22	55	60	

STUD STANDPIPE CONNECTORS

Not Pre-Assembled - ov | Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
315	6	1/8" NPT	32,0	19,0	10,0	12
315	6	1/4" NPT	40,0	19,0	15,0	14
315	8	1/4" NPT	40,5	20,0	15,0	14
315	10	1/4" NPT	39,5	19,0	15,0	14
315	12	1/4" NPT	42,0	22,0	15,0	14
315	12	3/8" NPT	43,0	22,0	15,3	19
315	12	1/2" NPT	50,0	22,0	20,0	22
315	15	3/8" NPT			15,3	19
315	15	1/2" NPT	48,0	22,0	20,0	22
315	18	1/2" NPT	50,0	24,0	20,0	22
160	22	3/4" NPT	52,0	24,5	20,0	27
160	28	1" NPT	59,0	25,5	25,0	36
160	35	1 1/4" NPT	66,0	32,0	25,5	46
160	42	1 1/2" NPT	68,0	32,0	26,0	50

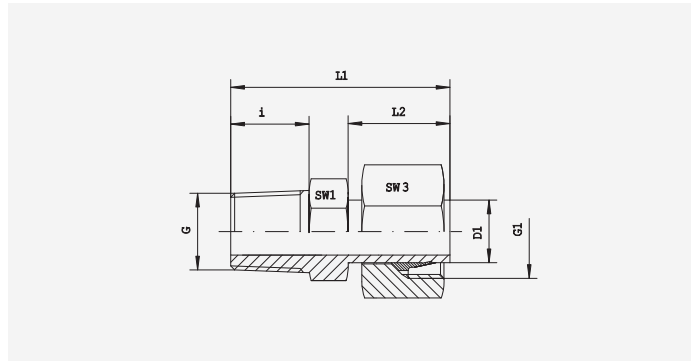
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
630	6	1/4" NPT	40,0	19,0	15,0	14
630	8	1/4" NPT	40,5	20,0	15,0	14
630	10	1/4" NPT	39,5	19,0	15,0	14
630	10	3/8" NPT	44,0	21,0	15,3	19
630	12	1/4" NPT	42,0	22,0	15,0	14
630	12	3/8" NPT	43,0	22,0	15,3	19
630	12	1/2" NPT	50,0	22,0	20,0	22
630	14	1/2" NPT	48,0	23,5	20,0	22
400	16	1/2" NPT	54,0	24,0	20,0	22
400	20	3/4" NPT	58,0	28,0	20,0	27
400	25	1" NPT	68,0	33,0	25,0	36
400	30	1 1/4" NPT	73,0	33,0	25,5	46
315	38	1 1/2" NPT	81,0	38,0	26,0	50

STUD STANDPIPE CONNECTORS

Pre-Assembled | Thread: NPT | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
315	6	1/8" NPT	32,0	19,0	10,0	12	12	14	
315	6	1/4" NPT	40,0	19,0	15,0	14	14	14	
315	8	1/4" NPT	40,5	20,0	15,0	14	14	17	
315	10	1/4" NPT	39,5	19,0	15,0	14	14	19	
315	12	1/4" NPT	42,0	22,0	15,0	14	14	22	
315	12	3/8" NPT	43,0	22,0	15,3	19	19	22	
315	12	1/2" NPT	50,0	22,0	20,0	22	22	22	
315	15	3/8" NPT			15,3	19	19	27	
315	15	1/2" NPT	48,0	22,0	20,0	22	22	27	
315	18	1/2" NPT	50,0	24,0	20,0	22	22	32	
160	22	3/4" NPT	52,0	24,5	20,0	27	27	36	
160	28	1" NPT	59,0	25,5	25,0	36	36	41	
160	35	1 1/4" NPT	66,0	32,0	25,5	46	46	50	
160	42	1 1/2" NPT	68,0	32,0	26,0	50	50	60	

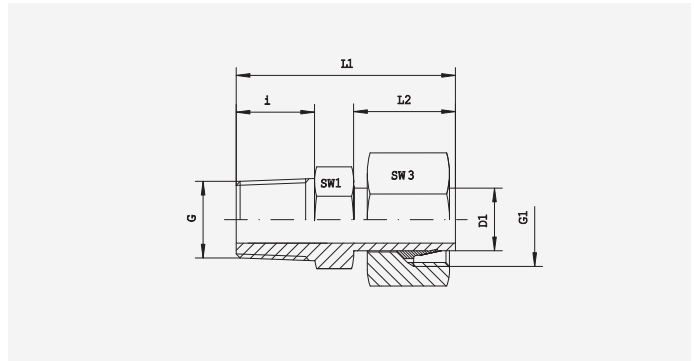
Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
630	6	1/4" NPT	M 14 x 1,5	40,0	19,0	15,0	14	17	
630	8	1/4" NPT	M 16 x 1,5	40,5	20,0	15,0	14	19	
630	10	1/4" NPT	M 18 x 1,5	39,5	19,0	15,0	14	22	
630	10	3/8" NPT	M 18 x 1,5	44,0	21,0	15,3	19	22	
630	12	1/4" NPT	M 20 x 1,5	42,0	22,0	15,0	14	24	
630	12	3/8" NPT	M 20 x 1,5	43,0	22,0	15,3	19	24	
630	12	1/2" NPT	M 20 x 1,5	50,0	22,0	20,0	22	24	
630	14	1/2" NPT	M 22 x 1,5	48,0	23,5	20,0	22	27	
400	16	1/2" NPT	M 24 x 1,5	54,0	24,0	20,0	22	30	
400	20	3/4" NPT	M 30 x 2	58,0	28,0	20,0	27	36	
400	25	1" NPT	M 36 x 2	68,0	33,0	25,0	36	46	
400	30	1 1/4" NPT	M 42 x 2	73,0	33,0	25,5	46	50	
315	38	1 1/2" NPT	M 52 x 2	81,0	38,0	26,0	50	60	

STUD STANDPIPE CONNECTORS - SILVER CODE

Pre-Assembled | Thread: NPT | Port D1 is pre-assembled.

Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

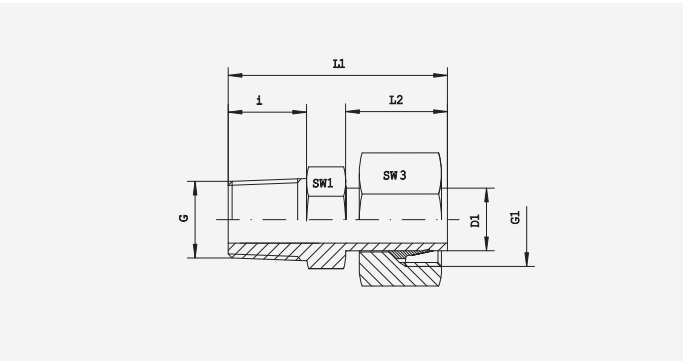
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
315	6	1/8" NPT	32,0	19,0	10,0	12	12	14	
315	6	1/4" NPT	40,0	19,0	15,0	14	14	14	
315	8	1/4" NPT	40,5	20,0	15,0	14	14	17	
315	10	1/4" NPT	39,5	19,0	15,0	14	14	19	
315	12	1/4" NPT	42,0	22,0	15,0	14	14	22	
315	12	3/8" NPT	43,0	22,0	15,3	19	19	22	
315	12	1/2" NPT	50,0	22,0	20,0	22	22	22	
315	15	3/8" NPT			15,3	19	19	27	
315	15	1/2" NPT	48,0	22,0	20,0	22	22	27	
315	18	1/2" NPT	50,0	24,0	20,0	22	22	32	
160	22	3/4" NPT	52,0	24,5	20,0	27	27	36	
160	28	1" NPT	59,0	25,5	25,0	36	36	41	
160	35	1 1/4" NPT	66,0	32,0	25,5	46	46	50	
160	42	1 1/2" NPT	68,0	32,0	26,0	50	50	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW2	
630	6	1/4" NPT	M 14 x 1,5	40,0	19,0	15,0	14	17	
630	8	1/4" NPT	M 16 x 1,5	40,5	20,0	15,0	14	19	
630	10	1/4" NPT	M 18 x 1,5	39,5	19,0	15,0	14	22	
630	10	3/8" NPT	M 18 x 1,5	44,0	21,0	15,3	19	22	
630	12	1/4" NPT	M 20 x 1,5	42,0	22,0	15,0	14	24	
630	12	3/8" NPT	M 20 x 1,5	43,0	22,0	15,3	19	24	
630	12	1/2" NPT	M 20 x 1,5	50,0	22,0	20,0	22	24	
630	14	1/2" NPT	M 22 x 1,5	48,0	23,5	20,0	22	27	
400	16	1/2" NPT	M 24 x 1,5	54,0	24,0	20,0	22	30	
400	20	3/4" NPT	M 30 x 2	58,0	28,0	20,0	27	36	
400	25	1" NPT	M 36 x 2	68,0	33,0	25,0	36	46	
400	30	1 1/4" NPT	M 42 x 2	73,0	33,0	25,5	46	50	
315	38	1 1/2" NPT	M 52 x 2	81,0	38,0	26,0	50	60	

STUD STANDPIPE CONNECTORS - SILVER CODE

Not pre-assembled | Thread: Metric - paralell | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

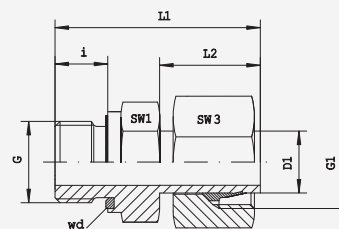
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
315	6	M 10 x 1	32,5	19,0	8	14
315	8	M 12 x 1,5	38,5	19,5	12	17
315	10	M 14 x 1,5	39,5	20,5	12	19
315	12	M 16 x 1,5	42,0	22,0	12	22
315	15	M 18 x 1,5	43,5	23,0	12	24
315	18	M 22 x 1,5	47,0	24,0	14	27
160	22	M 26 x 1,5	50,5	24,5	16	32
160	28	M 33 x 2	54,0	25,5	18	41
160	35	M 42 x 2	62,5	30,5	20	50
160	42	M 48 x 2	68,5	32,5	22	55

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions			
			L1	L2	i	SW1
630	6	M 12 x 1,5	39,5	19,0	12	17
630	8	M 14 x 1,5	40,5	19,5	12	19
630	10	M 16 x 1,5	44,0	21,5	12	22
630	12	M 18 x 1,5	46,0	22,5	12	24
630	14	M 20 x 1,5	50,0	23,5	14	27
400	16	M 22 x 1,5	51,0	26,0	14	27
400	20	M 27 x 2	59,0	28,0	16	32
400	25	M 33 x 2	65,5	31,0	18	41
400	30	M 42 x 2	71,0	34,0	20	50
315	38	M 48 x 2	83,5	40,0	22	55

STUD STANDPIPE CONNECTORS

Pre-Assembled | Thread: Metric - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

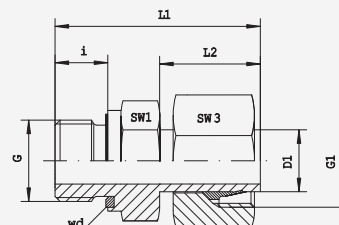
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	M 12 x 1,5	32,5	19,0	8	14	14	
315	8	M 12 x 1,5	M 14 x 1,5	38,5	19,5	12	17	17	
315	10	M 14 x 1,5	M 16 x 1,5	39,5	20,5	12	19	19	
315	12	M 16 x 1,5	M 18 x 1,5	42,0	22,0	12	22	22	
315	15	M 18 x 1,5	M 22 x 1,5	43,5	23,0	12	24	27	
315	18	M 22 x 1,5	M 26 x 1,5	47,0	24,0	14	27	32	
160	22	M 26 x 1,5	M 30 x 2	50,5	24,5	16	32	36	
160	28	M 33 x 2	M 36 x 2	54,0	25,5	18	41	41	
160	35	M 42 x 2	M 45 x 2	62,5	30,5	20	50	50	
160	42	M 48 x 2	M 52 x 2	68,5	32,5	22	55	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	M 12 x 1,5	M 14 x 1,5	39,5	19,0	12	17	17	
630	8	M 14 x 1,5	M 16 x 1,5	40,5	19,5	12	19	19	
630	10	M 16 x 1,5	M 18 x 1,5	44,0	21,5	12	22	22	
630	12	M 18 x 1,5	M 20 x 1,5	46,0	22,5	12	24	24	
630	14	M 20 x 1,5	M 22 x 1,5	50,0	23,5	14	27	27	
400	16	M 22 x 1,5	M 24 x 1,5	51,0	26,0	14	27	30	
400	20	M 27 x 2	M 30 x 2	59,0	28,0	16	32	36	
400	25	M 33 x 2	M 36 x 2	65,5	31,0	18	41	46	
400	30	M 42 x 2	M 42 x 2	71,0	34,0	20	50	50	
315	38	M 48 x 2	M 52 x 2	83,5	40,0	22	55	60	

STUD STANDPIPE CONNECTORS - SILVER CODE

Pre-Assembled | Thread: Metric - Parallel | wd = Sealing by an Elastomer Profiled Ring - Viton



Series L

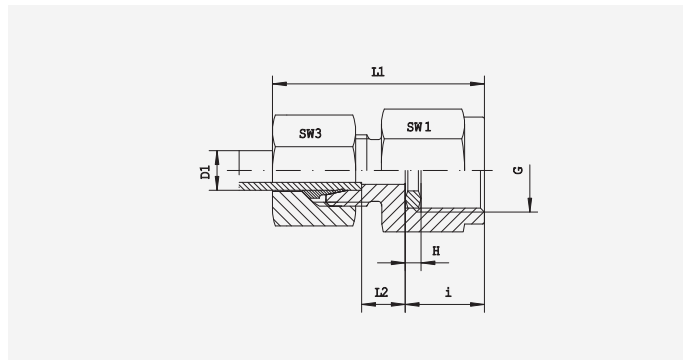
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	M 10 x 1	M 12 x 1,5	32,5	19,0	8	14	14	
315	8	M 12 x 1,5	M 14 x 1,5	38,5	19,5	12	17	17	
315	10	M 14 x 1,5	M 16 x 1,5	39,5	20,5	12	19	19	
315	12	M 16 x 1,5	M 18 x 1,5	42,0	22,0	12	22	22	
315	15	M 18 x 1,5	M 22 x 1,5	43,5	23,0	12	24	27	
315	18	M 22 x 1,5	M 26 x 1,5	47,0	24,0	14	27	32	
160	22	M 26 x 1,5	M 30 x 2	50,5	24,5	16	32	36	
160	28	M 33 x 2	M 36 x 2	54,0	25,5	18	41	41	
160	35	M 42 x 2	M 45 x 2	62,5	30,5	20	50	50	
160	42	M 48 x 2	M 52 x 2	68,5	32,5	22	55	60	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	M 12 x 1,5	M 14 x 1,5	39,5	19,0	12	17	17	
630	8	M 14 x 1,5	M 16 x 1,5	40,5	19,5	12	19	19	
630	10	M 16 x 1,5	M 18 x 1,5	44,0	21,5	12	22	22	
630	12	M 18 x 1,5	M 20 x 1,5	46,0	22,5	12	24	24	
630	14	M 20 x 1,5	M 22 x 1,5	50,0	23,5	14	27	27	
400	16	M 22 x 1,5	M 24 x 1,5	51,0	26,0	14	27	30	
400	20	M 27 x 2	M 30 x 2	59,0	28,0	16	32	36	
400	25	M 33 x 2	M 36 x 2	65,5	31,0	18	41	46	
400	30	M 42 x 2	M 42 x 2	71,0	34,0	20	50	50	
315	38	M 48 x 2	M 52 x 2	83,5	40,0	22	55	60	

MV - GAUGE COUPLINGS

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

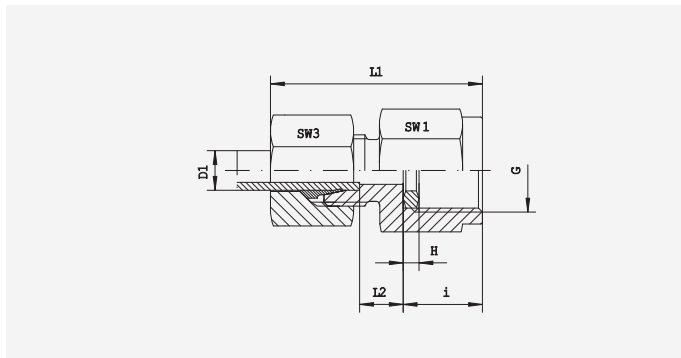
Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	G 1/4"	4,5	37,0	7,5	14,5	19	14	
315	6	G 1/2"	5,0	46,0	9,0	20,0	27	14	
315	8	G 1/4"	4,5	37,0	7,5	14,5	19	17	
315	8	G 1/2"	5,0	46,0	9,0	20,0	27	17	
315	10	G 1/4"	4,5	38,0	8,5	14,5	19	19	
315	10	G 1/2"	5,0	47,0	9,5	20,0	27	19	
315	12	G 1/4"	4,5	38,0	8,5	14,5	19	22	
315	12	G 1/2"	5,0	48,0	10,0	20,0	27	22	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	G 1/2"	5,0	46,0	11,0	20,0	27	17	
630	8	G 1/4"	4,5	40,0	9,5	14,5	19	19	
630	8	G 1/2"	5,0	46,0	11,0	20,0	27	19	
630	10	G 1/4"	4,5	40,5	9,0	14,5	19	22	
630	10	G 1/2"	5,0	47,0	10,5	20,0	27	22	
630	12	G 1/4"	4,5	41,0	8,0	14,5	22	24	
630	12	G 1/2"	5,0	47,0	10,5	20,0	27	24	

MV - GAUGE COUPLINGS - SILVER CODE

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
315	6	G 1/4"	4,5	37,0	7,5	14,5	19	14	
315	6	G 1/2"	5,0	46,0	9,0	20,0	27	14	
315	8	G 1/4"	4,5	37,0	7,5	14,5	19	17	
315	8	G 1/2"	5,0	46,0	9,0	20,0	27	17	
315	10	G 1/4"	4,5	38,0	8,5	14,5	19	19	
315	10	G 1/2"	5,0	47,0	9,5	20,0	27	19	
315	12	G 1/4"	4,5	38,0	8,5	14,5	19	22	
315	12	G 1/2"	5,0	48,0	10,0	20,0	27	22	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	L1	L2	i	SW1	SW3	
630	6	G 1/2"	5,0	46,0	11,0	20,0	27	17	
630	8	G 1/4"	4,5	40,0	9,5	14,5	19	19	
630	8	G 1/2"	5,0	46,0	11,0	20,0	27	19	
630	10	G 1/4"	4,5	40,5	9,0	14,5	19	22	
630	10	G 1/2"	5,0	47,0	10,5	20,0	27	22	
630	12	G 1/4"	4,5	41,0	8,0	14,5	22	24	
630	12	G 1/2"	5,0	47,0	10,5	20,0	27	24	

MV - GAUGE COUPLINGS

Gauge Couplings | With Metal Sealing Ring - DKRi | Internal Thread: BSP - Female - Parallel



Series L

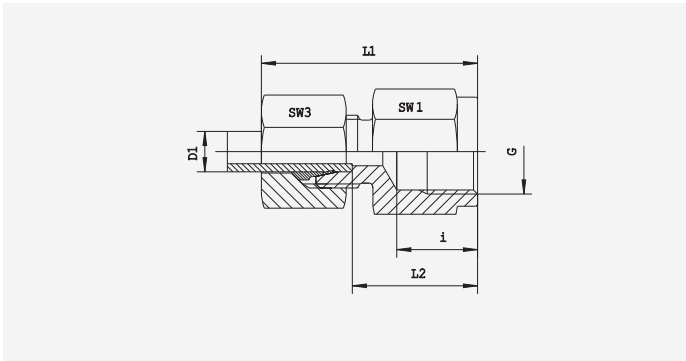
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/4"
315	6	G 1/2"
315	8	G 1/4"
315	8	G 1/2"
315	10	G 1/4"
315	10	G 1/2"
315	12	G 1/4"
315	12	G 1/2"

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/2"
630	8	G 1/4"
630	8	G 1/2"
630	10	G 1/4"
630	10	G 1/2"
630	12	G 1/4"
630	12	G 1/2"

MV - GAUGE COUPLINGS

Gauge Couplings | Internal Thread: NPT



Series L

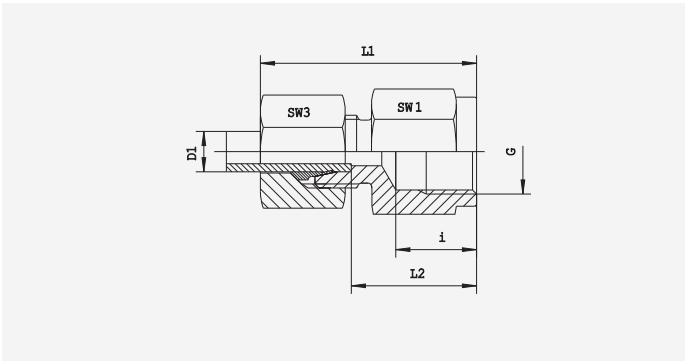
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
315	6	1/4" NPT	38	23,5	16,4	19	14	
315	6	1/2" NPT	46	31,0	22,6	27	14	
315	8	1/4" NPT	38	23,5	16,4	19	17	
315	8	1/2" NPT	46	31,0	22,6	27	17	
315	10	1/4" NPT	39	24,0	16,4	19	19	
315	10	1/2" NPT	47	32,0	22,6	27	19	
315	12	1/4" NPT			16,4	19	22	
315	12	1/2" NPT	47	32,0	22,6	27	22	

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
630	6	1/2" NPT	48	33,0	22,6	27	17	
630	8	1/2" NPT	48	33,0	22,6	27	19	
630	10	1/2" NPT	49	32,5	22,6	27	22	
630	12	1/2" NPT	49	32,5	22,6	27	24	

MV - GAUGE COUPLINGS - SILVER CODE

Gauge Couplings | Internal Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
315	6	1/4" NPT	38	23,5	16,4	19	14	
315	6	1/2" NPT	46	31,0	22,6	27	14	
315	8	1/4" NPT	38	23,5	16,4	19	17	
315	8	1/2" NPT	46	31,0	22,6	27	17	
315	10	1/4" NPT	39	24,0	16,4	19	19	
315	10	1/2" NPT	47	32,0	22,6	27	19	
315	12	1/4" NPT			16,4	19	22	
315	12	1/2" NPT	47	32,0	22,6	27	22	

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
630	6	1/2" NPT	48	33,0	22,6	27	17	
630	8	1/2" NPT	48	33,0	22,6	27	19	
630	10	1/2" NPT	49	32,5	22,6	27	22	
630	12	1/2" NPT	49	32,5	22,6	27	24	

MV - GAUGE COUPLINGS

Gauge Couplings Bodies | Internal Thread: NPT



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	1/4" NPT
315	6	1/2" NPT
315	8	1/4" NPT
315	8	1/2" NPT
315	10	1/4" NPT
315	10	1/2" NPT
315	12	1/4" NPT
315	12	1/2" NPT

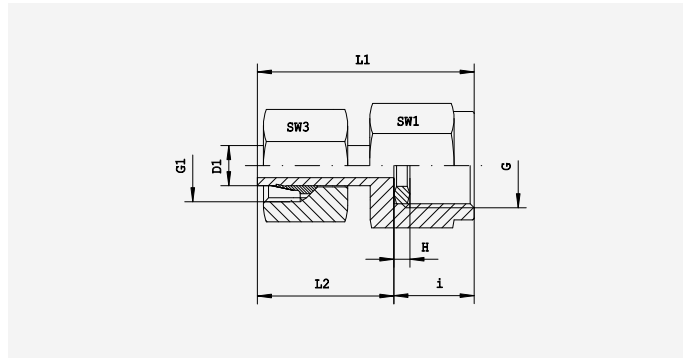
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	1/2" NPT
630	8	1/2" NPT
630	10	1/2" NPT
630	12	1/2" NPT

MV - GAUGE SWIVEL COUPLINGS

Gauge Swivel Couplings | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	H	L1	i	SW1	SW3	
315	6	G 1/4"	M 12 x 1,5	4,5	38,0	14,5	19	14	
315	6	G 1/2"	M 12 x 1,5	5,0	45,0	20,0	27	14	
315	8	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17	
315	8	G 1/2"	M 14 x 1,5	5,0	47,6	20,0	27	17	
315	10	G 1/4"	M 16 x 1,5	4,5	39,5	14,5	19	19	
315	10	G 1/2"	M 16 x 1,5	5,0	47,0	20,0	27	19	
315	12	G 1/4"	M 18 x 1,5	4,5	40,5	14,5	19	22	
315	12	G 1/2"	M 18 x 1,5	5,0	47,5	20,0	27	22	

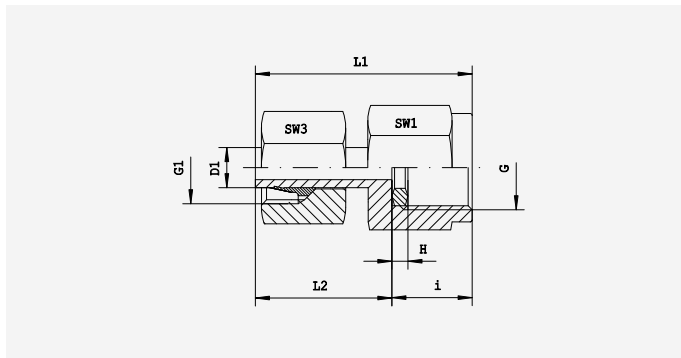
Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	H	L1	i	SW1	SW3	
630	6	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17	
630	6	G 1/2"	M 14 x 1,5	5,0	45,0	20,0	27	17	
630	8	G 1/4"	M 16 x 1,5	4,5	38,0	14,5	19	19	
630	8	G 1/2"	M 16 x 1,5	5,0	47,6	20,0	27	19	
630	10	G 1/4"	M 18 x 1,5	4,5	39,5	14,5	19	22	
630	10	G 1/2"	M 18 x 1,5	5,0	47,0	20,0	27	22	
630	12	G 1/4"	M 20 x 1,5	4,5	40,5	14,5	19	24	
630	12	G 1/2"	M 20 x 1,5	5,0	47,5	20,0	27	24	

MV - GAUGE SWIVEL COUPLINGS - SILVER CODE

Gauge Swivel Couplings | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	H	L1	i	SW1	SW3	
315	6	G 1/4"	M 12 x 1,5	4,5	38,0	14,5	19	14	
315	6	G 1/2"	M 12 x 1,5	5,0	45,0	20,0	27	14	
315	8	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17	
315	8	G 1/2"	M 14 x 1,5	5,0	47,6	20,0	27	17	
315	10	G 1/4"	M 16 x 1,5	4,5	39,5	14,5	19	19	
315	10	G 1/2"	M 16 x 1,5	5,0	47,0	20,0	27	19	
315	12	G 1/4"	M 18 x 1,5	4,5	40,5	14,5	19	22	
315	12	G 1/2"	M 18 x 1,5	5,0	47,5	20,0	27	22	

Series S

Pressure PN	Tube O.D. D1	Thread		Approx. Dimensions					
		G	G1	H	L1	i	SW1	SW3	
630	6	G 1/4"	M 14 x 1,5	4,5	38,0	14,5	19	17	
630	6	G 1/2"	M 14 x 1,5	5,0	45,0	20,0	27	17	
630	8	G 1/4"	M 16 x 1,5	4,5	38,0	14,5	19	19	
630	8	G 1/2"	M 16 x 1,5	5,0	47,6	20,0	27	19	
630	10	G 1/4"	M 18 x 1,5	4,5	39,5	14,5	19	22	
630	10	G 1/2"	M 18 x 1,5	5,0	47,0	20,0	27	22	
630	12	G 1/4"	M 20 x 1,5	4,5	40,5	14,5	19	24	
630	12	G 1/2"	M 20 x 1,5	5,0	47,5	20,0	27	24	

MV - GAUGE SWIVEL COUPLINGS

Gauge Swivel Coupling Bodies | With Metal Sealing Ring - DKRi | Thread: BSP - Female - Parallel



Series L

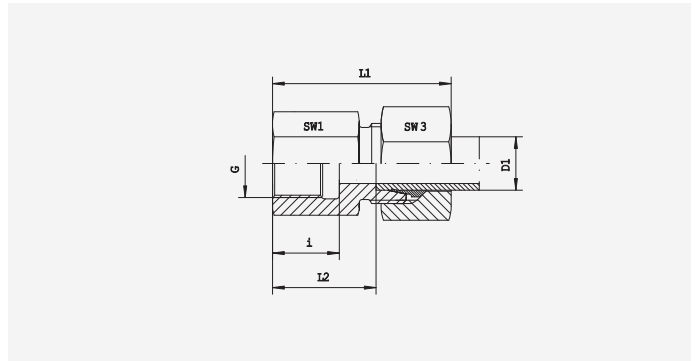
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/4"
315	6	G 1/2"
315	8	G 1/4"
315	8	G 1/2"
315	10	G 1/4"
315	10	G 1/2"
315	12	G 1/4"
315	12	G 1/2"

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/4"
630	6	G 1/2"
630	8	G 1/4"
630	8	G 1/2"
630	10	G 1/4"
630	10	G 1/2"
630	12	G 1/4"
630	12	G 1/2"

GAI - FEMALE STUD COUPLINGS

Female Stud Couplings | Female Thread: BSP - Parallel



Series L

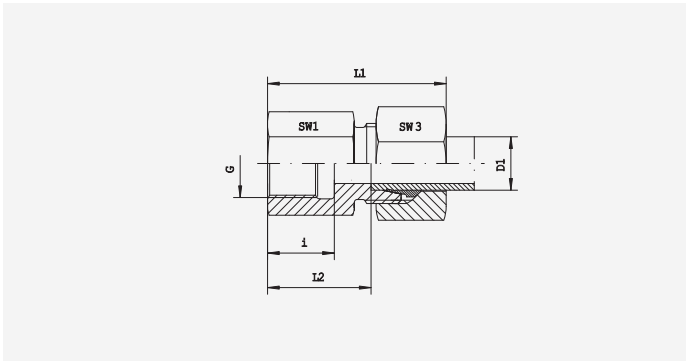
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	G 1/8"	36,0	19,0	12,0	14	14
315	6	G 1/4"	41,0	24,0	17,0	19	14
315	6	G 3/8"	42,0	24,0	17,0	24	14
315	6	G 1/2"	46,0	31,0	20,0	27	14
315	8	G 1/8"	36,0	19,0	12,0	14	17
315	8	G 1/4"	41,0	24,0	17,0	19	17
315	8	G 3/8"	42,0	25,0	17,0	24	17
315	8	G 1/2"	46,0	32,0	20,0	27	17
315	10	G 1/8"	36,0	19,0	12,0	17	19
315	10	G 1/4"	42,0	25,0	17,0	19	19
315	10	G 3/8"	43,0	26,0	17,0	24	19
315	10	G 1/2"	47,0	30,0	20,0	27	19
315	12	G 1/4"	42,0	25,0	17,0	19	22
315	12	G 3/8"	43,0	26,0	17,0	24	22
315	12	G 1/2"	48,0	30,0	20,0	27	22
315	15	G 3/8"	46,0	27,0	17,5	24	27
315	15	G 1/2"	49,0	31,0	20,0	27	27
160	15	G 3/4"	53,0	34,0	22,0	32	27
315	18	G 3/8"	47,0	26,5	17,5	27	32
315	18	G 1/2"	50,5	30,5	20,0	27	32
160	18	G 3/4"	53,5	33,5	22,0	36	32
160	22	G 1/2"	55,0	33,5	20,0	32	36
160	22	G 3/4"	56,0	35,5	22,0	36	36
160	28	G 3/4"	57,5	35,0	22,0	41	41
160	28	G 1"	60,5	38,0	24,5	41	41
160	35	G 1 1/4"	68,5	41,0	26,5	55	50
160	42	G 1 1/2"	69,5	42,5	28,5	60	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	G 1/4"	42,0	26,0	17,0	19	17
630	6	G 3/8"			17,0	24	17
630	6	G 1/2"	48,0	31,0	20,0	27	17
630	8	G 1/4"	43,0	26,0	17,0	19	19
630	8	G 3/8"	44,0	27,0	17,0	24	19
630	8	G 1/2"	48,0	31,0	20,0	27	19
630	10	G 3/8"	45,0	26,5	17,0	24	22
630	10	G 1/2"	49,5	30,5	20,0	27	22
630	12	G 1/4"	46,0	27,5	17,0	22	24
630	12	G 3/8"	45,0	26,5	17,0	24	24
630	12	G 1/2"	50,0	30,5	20,0	27	24
630	14	G 3/8"	50,0	30,0	17,0	24	27
630	14	G 1/2"	52,0	32,0	20,0	27	27
400	16	G 3/8"	48,0	26,5	17,5	27	30
400	16	G 1/2"	53,0	31,5	20,0	27	30
400	16	G 3/4"	55,0	34,5	22,0	36	30

GAI - FEMALE STUD COUPLINGS

Female Stud Couplings | Female Thread: BSP - Parallel

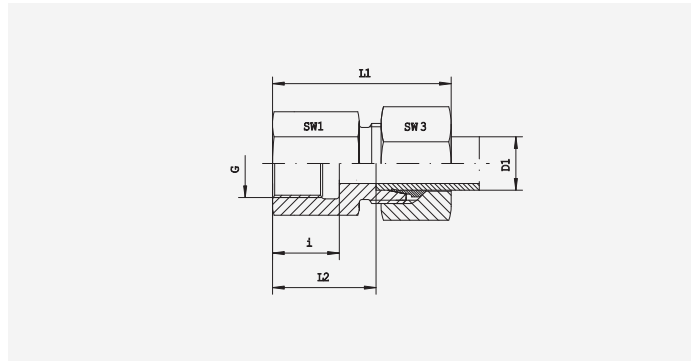


Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
400	20	G 1/2"	57,0	32,5	20,0	32	36
400	20	G 3/4"	60,0	34,5	22,0	32	36
400	25	G 3/4"	60,0	35,0	22,0	41	46
400	25	G 1"	66,5	37,5	24,5	41	46
400	30	G 1 1/4"	72,5	42,0	26,5	55	50
315	38	G 1 1/2"	79,5	43,5	28,5	60	60

GAI - FEMALE STUD COUPLINGS - SILVER COATED

Female Stud Couplings | Female Thread: BSP - Parallel



Series L

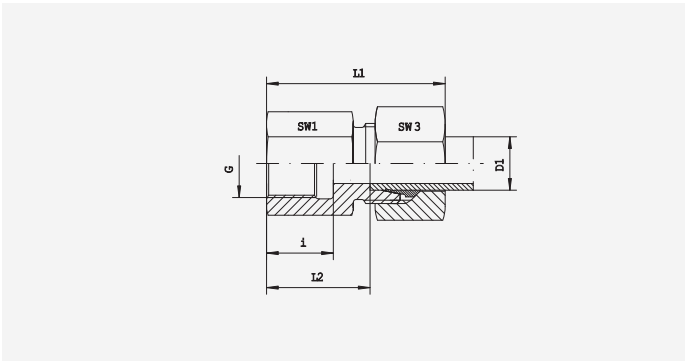
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	G 1/8"	36,0	19,0	12,0	14	14
315	6	G 1/4"	41,0	24,0	17,0	19	14
315	6	G 3/8"	42,0	24,0	17,0	24	14
315	6	G 1/2"	46,0	31,0	20,0	27	14
315	8	G 1/8"	36,0	19,0	12,0	14	17
315	8	G 1/4"	41,0	24,0	17,0	19	17
315	8	G 3/8"	42,0	25,0	17,0	24	17
315	8	G 1/2"	46,0	32,0	20,0	27	17
315	10	G 1/8"	36,0	19,0	12,0	17	19
315	10	G 1/4"	42,0	25,0	17,0	19	19
315	10	G 3/8"	43,0	26,0	17,0	24	19
315	10	G 1/2"	47,0	30,0	20,0	27	19
315	12	G 1/4"	42,0	25,0	17,0	19	22
315	12	G 3/8"	43,0	26,0	17,0	24	22
315	12	G 1/2"	48,0	30,0	20,0	27	22
315	15	G 3/8"	46,0	27,0	17,5	24	27
315	15	G 1/2"	49,0	31,0	20,0	27	27
160	15	G 3/4"	53,0	34,0	22,0	32	27
315	18	G 3/8"	47,0	26,5	17,5	27	32
315	18	G 1/2"	50,5	30,5	20,0	27	32
160	18	G 3/4"	53,5	33,5	22,0	36	32
160	22	G 1/2"	55,0	33,5	20,0	32	36
160	22	G 3/4"	56,0	35,5	22,0	36	36
160	28	G 3/4"	57,5	35,0	22,0	41	41
160	28	G 1"	60,5	38,0	24,5	41	41
160	35	G 1 1/4"	68,5	41,0	26,5	55	50
160	42	G 1 1/2"	69,5	42,5	28,5	60	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	G 1/4"	42,0	26,0	17,0	19	17
630	6	G 3/8"			17,0	24	17
630	6	G 1/2"	48,0	31,0	20,0	27	17
630	8	G 1/4"	43,0	26,0	17,0	19	19
630	8	G 3/8"	44,0	27,0	17,0	24	19
630	8	G 1/2"	48,0	31,0	20,0	27	19
630	10	G 3/8"	45,0	26,5	17,0	24	22
630	10	G 1/2"	49,5	30,5	20,0	27	22
630	12	G 1/4"	46,0	27,5	17,0	22	24
630	12	G 3/8"	45,0	26,5	17,0	24	24
630	12	G 1/2"	50,0	30,5	20,0	27	24
630	14	G 3/8"	50,0	30,0	17,0	24	27
630	14	G 1/2"	52,0	32,0	20,0	27	27
400	16	G 3/8"	48,0	26,5	17,5	27	30
400	16	G 1/2"	53,0	31,5	20,0	27	30
400	16	G 3/4"	55,0	34,5	22,0	36	30

GAI - FEMALE STUD COUPLINGS - SILVER COATED

Female Stud Couplings | Female Thread: BSP - Parallel



Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
400	20	G 1/2"	57,0	32,5	20,0	32	36
400	20	G 3/4"	60,0	34,5	22,0	32	36
400	25	G 3/4"	60,0	35,0	22,0	41	46
400	25	G 1"	66,5	37,5	24,5	41	46
400	30	G 1 1/4"	72,5	42,0	26,5	55	50
315	38	G 1 1/2"	79,5	43,5	28,5	60	60

GAI - FEMALE STUD COUPLINGS

Female Stud Coupling Bodies | Female Thread: BSP - Parallel



Series L			Series L		
Pressure	Tube O.D.	Thread	Pressure	Tube O.D.	Thread
PN	D1	G	PN	D1	G
315	6	G 1/8"	630	6	G 1/4"
315	6	G 1/4"	630	6	G 3/8"
315	6	G 3/8"	630	6	G 1/2"
315	6	G 1/2"	630	8	G 1/4"
315	8	G 1/8"	630	8	G 3/8"
315	8	G 1/4"	630	8	G 1/2"
315	8	G 3/8"	630	10	G 3/8"
315	8	G 1/2"	630	10	G 1/2"
315	10	G 1/8"	630	12	G 1/4"
315	10	G 1/4"	630	12	G 3/8"
315	10	G 3/8"	630	12	G 1/2"
315	10	G 1/2"	630	14	G 3/8"
315	12	G 1/4"	630	14	G 1/2"
315	12	G 3/8"	400	16	G 3/8"
315	12	G 1/2"	400	16	G 1/2"
315	15	G 3/8"	400	16	G 3/4"
315	15	G 1/2"			
160	15	G 3/4"			
315	18	G 3/8"			
315	18	G 1/2"			
160	18	G 3/4"			
160	22	G 1/2"			
160	22	G 3/4"			
160	28	G 3/4"			
160	28	G 1"			
160	35	G 1 1/4"			
160	42	G 1 1/2"			

GAI - FEMALE STUD COUPLINGS

Female Stud Coupling Bodies | Female Thread: BSP - Parallel

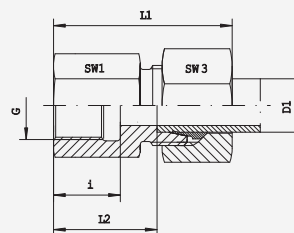


Series L

Pressure	Tube O.D.	Thread
PN	D1	G
400	20	G 1/2"
400	20	G 3/4"
400	25	G 3/4"
400	25	G 1"
400	30	G 1 1/4"
315	38	G 1 1/2"

GAI - FEMALE STUD COUPLINGS

Female Stud Couplings | Female Thread: Metric - Parallel



Series L

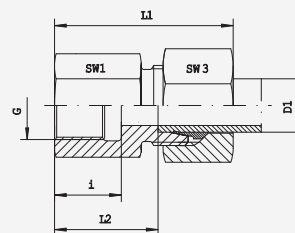
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
315	6	M 10 x 1	34	19,5	12,5	14	14	
315	8	M 12 x 1,5	39	24,0	17,0	17	17	
315	10	M 14 x 1,5	40	25,0	17,0	19	19	
315	12	M 16 x 1,5	41	26,0	17,0	22	22	
315	15	M 18 x 1,5	43	28,0	17,0	24	27	
315	18	M 22 x 1,5	46	29,5	19,0	30	32	
160	22	M 26 x 1,5	51	34,5	21,0	32	36	
160	28	M 33 x 2	54	37,5	24,0	41	41	
160	35	M 42 x 2	62	40,5	26,0	50	50	
160	42	M 48 x 2	65	42,0	28,0	55	60	

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW3	
630	6	M 12 x 1,5	41	26,0	17,0	17	17	
630	8	M 14 x 1,5	41	26,0	17,0	19	19	
630	10	M 16 x 1,5	43	26,5	17,0	22	22	
630	12	M 18 x 1,5	44	27,5	17,0	24	24	
630	14	M 20 x 1,5	49	31,0	19,0	27	27	
400	16	M 22 x 1,5	49	30,5	19,0	30	30	
400	20	M 27 x 2	56	34,5	22,0	32	36	
400	25	M 33 x 2	61	37,0	24,0	41	46	
400	30	M 42 x 2	68	41,5	26,0	50	50	
315	38	M 48 x 2	74	43,0	28,0	55	60	

GAI - FEMALE STUD COUPLINGS - SILVER COATED

Female Stud Couplings | Female Thread: Metric - Parallel



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	M 10 x 1	34	19,5	12,5	14	14
315	8	M 12 x 1,5	39	24,0	17,0	17	17
315	10	M 14 x 1,5	40	25,0	17,0	19	19
315	12	M 16 x 1,5	41	26,0	17,0	22	22
315	15	M 18 x 1,5	43	28,0	17,0	24	27
315	18	M 22 x 1,5	46	29,5	19,0	30	32
160	22	M 26 x 1,5	51	34,5	21,0	32	36
160	28	M 33 x 2	54	37,5	24,0	41	41
160	35	M 42 x 2	62	40,5	26,0	50	50
160	42	M 48 x 2	65	42,0	28,0	55	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	M 12 x 1,5	41	26,0	17,0	17	17
630	8	M 14 x 1,5	41	26,0	17,0	19	19
630	10	M 16 x 1,5	43	26,5	17,0	22	22
630	12	M 18 x 1,5	44	27,5	17,0	24	24
630	14	M 20 x 1,5	49	31,0	19,0	27	27
400	16	M 22 x 1,5	49	30,5	19,0	30	30
400	20	M 27 x 2	56	34,5	22,0	32	36
400	25	M 33 x 2	61	37,0	24,0	41	46
400	30	M 42 x 2	68	41,5	26,0	50	50
315	38	M 48 x 2	74	43,0	28,0	55	60

GAI - FEMALE STUD COUPLINGS

Female Stud Coupling Bodies | Female Thread: Metric - Parallel



Series L

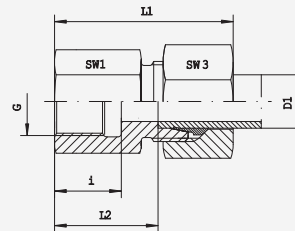
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1
315	8	M 12 x 1,5
315	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
160	22	M 26 x 1,5
160	28	M 33 x 2
160	35	M 42 x 2
160	42	M 48 x 2

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
400	30	M 42 x 2
315	38	M 48 x 2

GAI - FEMALE STUD COUPLINGS

Female Stud Couplings | Female Thread: NPT



Series L

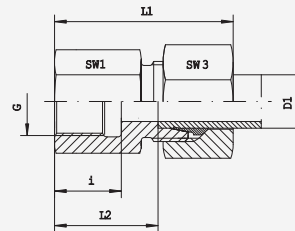
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	1/8" NPT	34	19,0	11,6	14	14
315	6	1/4" NPT	38	23,5	16,4	19	14
315	6	3/8" NPT			17,4	24	14
315	8	1/4" NPT	38	23,5	16,4	19	17
315	8	3/8" NPT			17,4	24	17
315	10	1/4" NPT	39	24,0	16,4	19	19
315	10	3/8" NPT	43	26,0	17,4	24	19
315	10	1/2" NPT			22,6	27	19
315	12	1/4" NPT			16,4	19	22
315	12	3/8" NPT	42	27,0	17,4	24	22
315	12	1/2" NPT	47	32,0	22,6	27	22
315	15	3/8" NPT			17,4	24	27
315	15	1/2" NPT	48	33,0	22,6	27	27
315	18	1/2" NPT	49	32,5	22,6	27	27
160	22	3/4" NPT	52	35,5	23,1	36	36
160	28	1" NPT	57	40,5	27,8	41	41
160	35	1 1/4" NPT	62	40,5	28,3	55	50
160	42	1 1/2" NPT	65	42,0	28,3	60	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	1/4" NPT	41	26,0	16,4	19	17
630	8	1/4" NPT	41	26,0	16,4	19	19
630	10	3/8" NPT	44	27,0	17,4	24	22
630	12	3/8" NPT	44	27,5	17,4	24	24
630	12	1/2" NPT	50	33,5	22,6	27	24
630	14	1/2" NPT	53	35,0	22,6	27	27
400	16	3/8" NPT	48	27,5	17,4	27	30
400	16	1/2" NPT	50	34,5	22,6	27	30
400	20	3/4" NPT	57	35,5	23,1	32	36
400	25	1" NPT	65	41,0	27,8	41	46
400	30	1 1/4" NPT	70	43,5	28,3	55	50
315	38	1 1/2" NPT	74	43,0	28,3	60	60

GAI - FEMALE STUD COUPLINGS - SILVER COATED

Female Stud Couplings | Female Thread: NPT



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
315	6	1/8" NPT	34	19,0	11,6	14	14
315	6	1/4" NPT	38	23,5	16,4	19	14
315	6	3/8" NPT			17,4	24	14
315	8	1/4" NPT	38	23,5	16,4	19	17
315	8	3/8" NPT			17,4	24	17
315	10	1/4" NPT	39	24,0	16,4	19	19
315	10	3/8" NPT	43	26,0	17,4	24	19
315	10	1/2" NPT			22,6	27	19
315	12	1/4" NPT			16,4	19	22
315	12	3/8" NPT	42	27,0	17,4	24	22
315	12	1/2" NPT	47	32,0	22,6	27	22
315	15	3/8" NPT			17,4	24	27
315	15	1/2" NPT	48	33,0	22,6	27	27
315	18	1/2" NPT	49	32,5	22,6	27	27
160	22	3/4" NPT	52	35,5	23,1	36	36
160	28	1" NPT	57	40,5	27,8	41	41
160	35	1 1/4" NPT	62	40,5	28,3	55	50
160	42	1 1/2" NPT	65	42,0	28,3	60	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	i	SW1	SW3
630	6	1/4" NPT	41	26,0	16,4	19	17
630	8	1/4" NPT	41	26,0	16,4	19	19
630	10	3/8" NPT	44	27,0	17,4	24	22
630	12	3/8" NPT	44	27,5	17,4	24	24
630	12	1/2" NPT	50	33,5	22,6	27	24
630	14	1/2" NPT	53	35,0	22,6	27	27
400	16	3/8" NPT	48	27,5	17,4	27	30
400	16	1/2" NPT	50	34,5	22,6	27	30
400	20	3/4" NPT	57	35,5	23,1	32	36
400	25	1" NPT	65	41,0	27,8	41	46
400	30	1 1/4" NPT	70	43,5	28,3	55	50
315	38	1 1/2" NPT	74	43,0	28,3	60	60

GAI - FEMALE STUD COUPLINGS

Female Stud Coupling Bodies | Female Thread: NPT



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	1/8" NPT
315	6	1/4" NPT
315	6	3/8" NPT
315	8	1/4" NPT
315	8	3/8" NPT
315	10	1/4" NPT
315	10	3/8" NPT
315	10	1/2" NPT
315	12	1/4" NPT
315	12	3/8" NPT
315	12	1/2" NPT
315	15	3/8" NPT
315	15	1/2" NPT
315	18	1/2" NPT
160	22	3/4" NPT
160	28	1" NPT
160	35	1 1/4" NPT
160	42	1 1/2" NPT

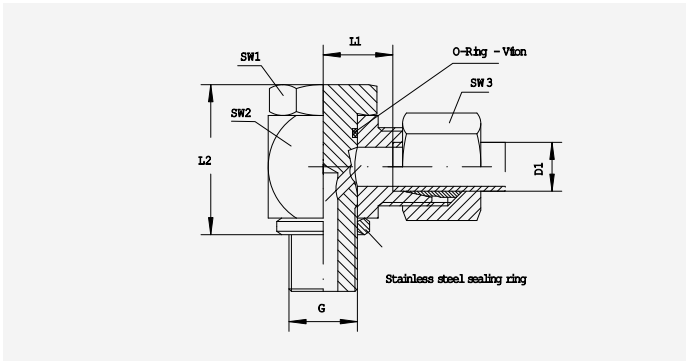
Series L

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	1/4" NPT
630	8	1/4" NPT
630	10	3/8" NPT
630	12	3/8" NPT
630	12	1/2" NPT
630	14	1/2" NPT
400	16	3/8" NPT
400	16	1/2" NPT
400	20	3/4" NPT
400	25	1" NPT
400	30	1 1/4" NPT
315	38	1 1/2" NPT

WHV - BANJO ELBOWS

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	G 1/8"	11,0	24	17	18	10
100	6	G 1/8"	11,5	24	17	18	12
100	8	G 1/8"	11,5	24	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	10	G 3/8"	17,5	35	24	27	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	12	G 1/2"	21,5	45	30	32	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

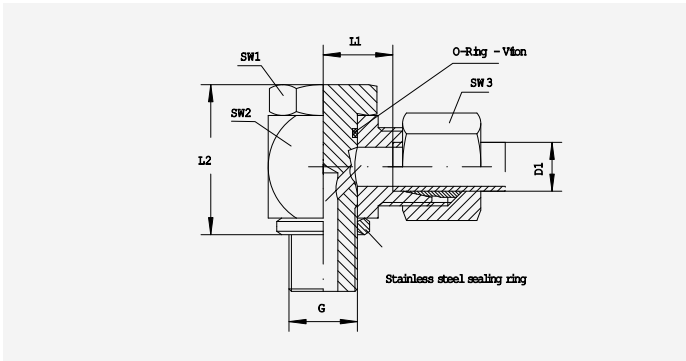
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

WHV - BANJO ELBOWS

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	10	G 3/8"	17,5	35	24	27	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	12	G 1/2"	21,5	45	30	32	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

GAI - FEMALE STUD COUPLINGS

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/8"
400	8	G 1/4"
350	10	G 1/4"
350	10	G 3/8"
350	12	G 1/4"
350	12	G 3/8"
315	12	G 1/2"
315	15	G 1/2"
315	18	G 1/2"
200	22	G 3/4"
200	28	G 1"
200	35	G 1 1/4"
200	42	G 1 1/2"

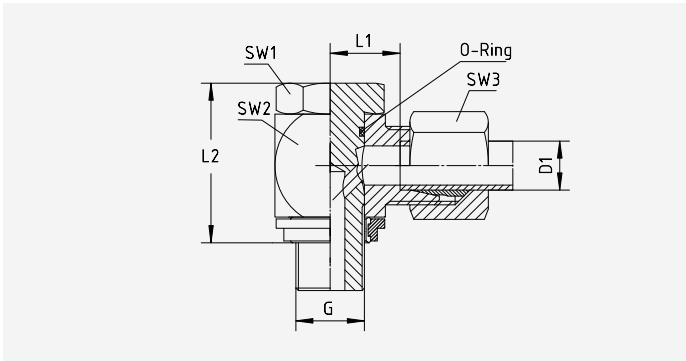
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/4"
450	8	G 1/4"
400	10	G 1/4"
400	10	G 3/8"
400	12	G 3/8"
400	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
250	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

WHV - BANJO ELBOWS

Banjo Elbows For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	G 1/8"	11,0	24	17	18	10
100	6	G 1/8"	11,5	24	17	18	12
100	8	G 1/8"	11,5	24	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	10	G 3/8"	17,5	35	24	27	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	12	G 1/2"	21,5	45	30	32	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

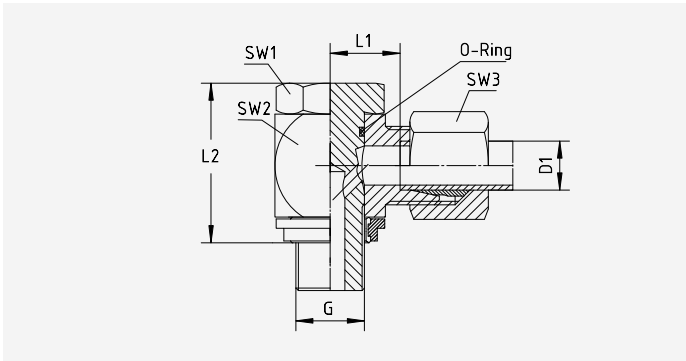
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

WHV - BANJO ELBOWS - SILVER COATED

Banjo Elbows For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	10	G 3/8"	17,5	35	24	27	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	12	G 1/2"	21,5	45	30	32	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

WHV - BANJO ELBOWS

Banjo Elbows For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/8"
400	8	G 1/4"
350	10	G 1/4"
350	10	G 3/8"
350	12	G 1/4"
350	12	G 3/8"
315	12	G 1/2"
315	15	G 1/2"
315	18	G 1/2"
200	22	G 3/4"
200	28	G 1"
200	35	G 1 1/4"
200	42	G 1 1/2"

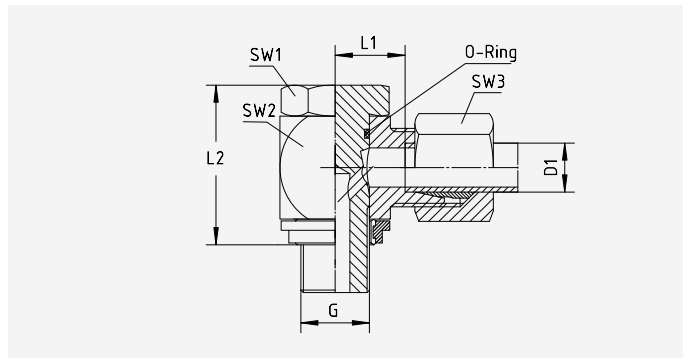
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/4"
450	8	G 1/4"
400	10	G 1/4"
400	10	G 3/8"
400	12	G 3/8"
400	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
250	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

WHV - BANJO ELBOWS

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	M 8 x 1	11,0	24,0	17	18	10
100	6	M 10 x 1	11,5	24,0	17	18	12
100	8	M 10 x 1	11,5	24,0	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

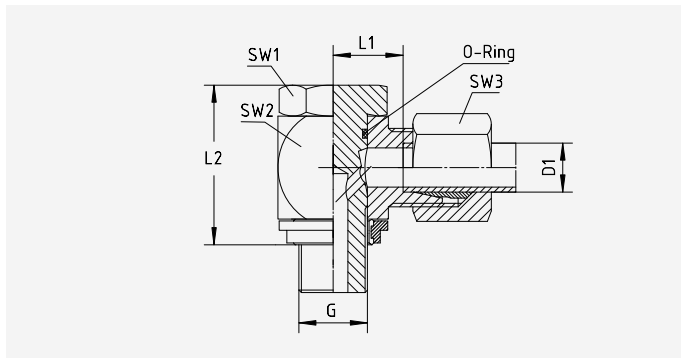
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	14	M 20 x 1,5	22,5	43,5	30	32	27
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

WHV - BANJO ELBOWS - SILVER COATED

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	14	M 20 x 1,5	22,5	43,5	30	32	27
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

WHV - BANJO ELBOWS

Banjo Elbows With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	M 8 x 1
100	6	M 10 x 1
100	8	M 10 x 1

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 10 x 1
400	8	M 12 x 1,5
350	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
200	22	M 26 x 1,5
200	28	M 33 x 2
200	35	M 42 x 2
200	42	M 48 x 2

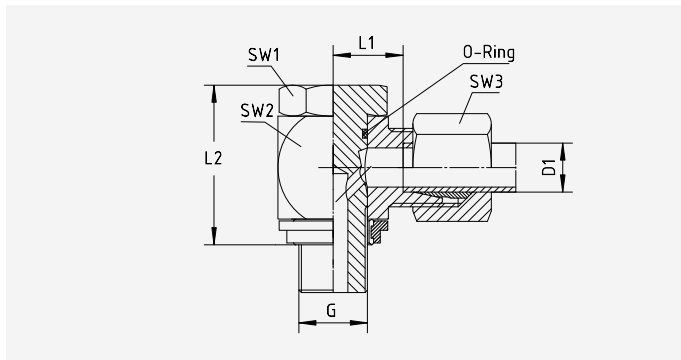
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 12 x 1,5
450	8	M 14 x 1,5
400	10	M 16 x 1,5
400	12	M 18 x 1,5
400	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
250	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

WHV - BANJO ELBOWS

Banjo Elbows For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	6	M 10 x 1	11,5	24,0	17	18	12
100	8	M 10 x 1	11,5	24,0	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

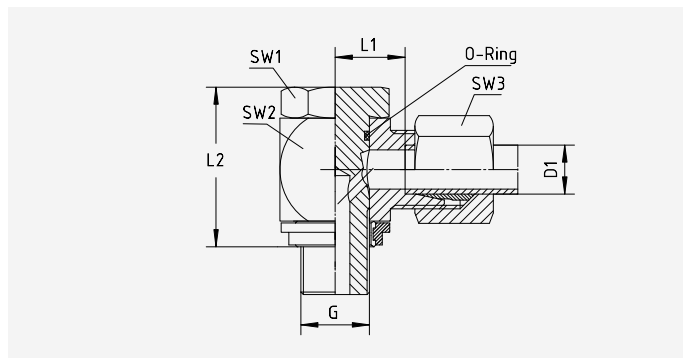
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

WHV - BANJO ELBOWS - SILVER COATED

Banjo Elbows For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

WHV - BANJO TEES

Banjo Elbows For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	6	M 10 x 1
100	8	M 10 x 1

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 10 x 1
400	8	M 12 x 1,5
350	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
200	22	M 26 x 1,5
200	28	M 33 x 2
200	35	M 42 x 2
200	42	M 48 x 2

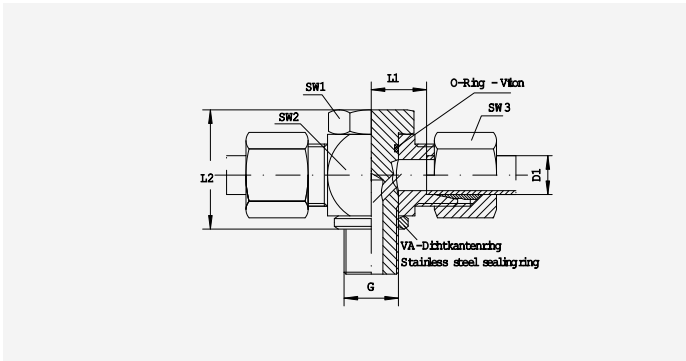
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 12 x 1,5
450	8	M 14 x 1,5
400	10	M 16 x 1,5
400	12	M 18 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
250	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

THV - BANJO TEES

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	G 1/8"	11,0	24	17	18	10
100	6	G 1/8"	11,5	24	17	18	12
100	8	G 1/8"	11,5	24	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

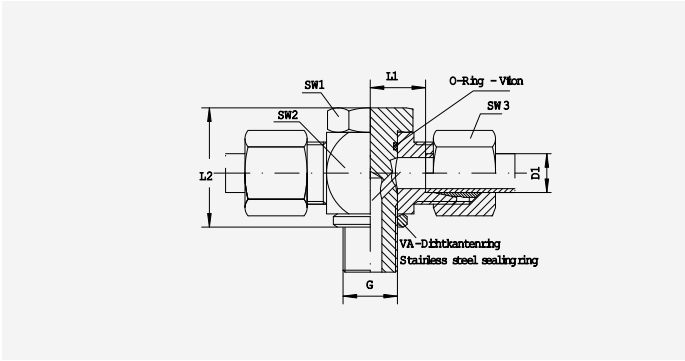
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

THV - BANJO TEES - SILVER COATED

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

THV - BANJO TEES

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/8"
400	8	G 1/4"
350	10	G 1/4"
350	12	G 1/4"
350	12	G 3/8"
315	15	G 1/2"
315	18	G 1/2"
200	22	G 3/4"
200	28	G 1"
200	35	G 1 1/4"
200	42	G 1 1/2"

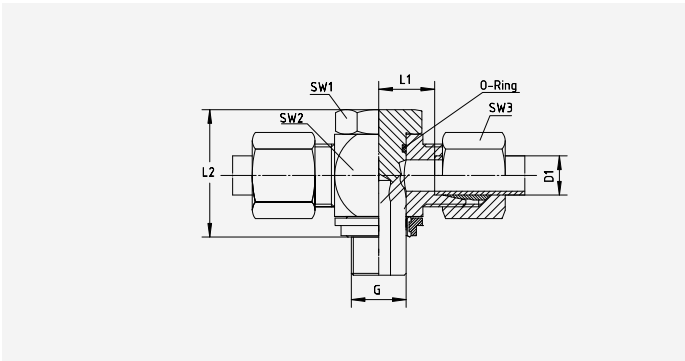
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/4"
450	8	G 1/4"
400	10	G 1/4"
400	10	G 3/8"
400	12	G 3/8"
400	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
250	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

THV - BANJO TEES

Banjo Tees For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	G 1/8"	11,0	24	17	18	10
100	6	G 1/8"	11,5	24	17	18	12
100	8	G 1/8"	11,5	24	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

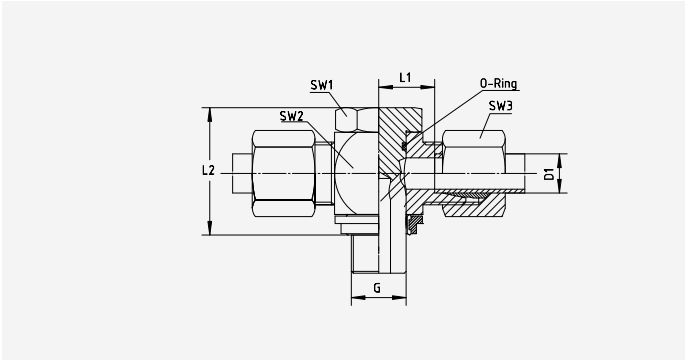
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

THV - BANJO TEES - SILVER COATED

Banjo Tees For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/8"	12,0	24	17	18	14
400	8	G 1/4"	14,5	30	19	22	17
350	10	G 1/4"	15,5	30	19	22	19
350	12	G 1/4"	15,5	30	19	22	22
350	12	G 3/8"	18,0	36	24	27	22
315	15	G 1/2"	21,5	45	30	32	27
315	18	G 1/2"	21,0	45	30	32	32
200	22	G 3/4"	27,5	53	36	40	36
200	28	G 1"	32,0	66	46	50	41
200	35	G 1 1/4"	36,0	76	55	60	50
200	42	G 1 1/2"	40,5	87	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	G 1/4"	16,5	30	19	22	17
450	8	G 1/4"	16,5	30	19	22	19
400	10	G 1/4"	16,5	30	19	22	22
400	10	G 3/8"	18,5	36	24	27	22
400	12	G 3/8"	18,5	36	24	27	24
400	14	G 1/2"	22,5	45	30	32	27
400	16	G 1/2"	22,0	45	30	32	30
400	20	G 3/4"	26,5	53	36	40	36
250	25	G 1"	31,5	66	46	50	46
250	30	G 1 1/4"	37,0	76	55	60	50
250	38	G 1 1/2"	41,5	87	60	70	60

THV - BANJO TEES

Banjo Tees For recesses narrow ISO 1179 | Thread G: BSP - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	G 1/8"
100	6	G 1/8"
100	8	G 1/8"

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/8"
400	8	G 1/4"
350	10	G 1/4"
350	12	G 1/4"
350	12	G 3/8"
315	15	G 1/2"
315	18	G 1/2"
200	22	G 3/4"
200	28	G 1"
200	35	G 1 1/4"
200	42	G 1 1/2"

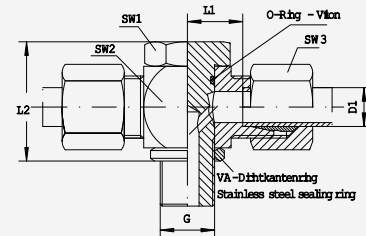
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	G 1/4"
450	8	G 1/4"
400	10	G 1/4"
400	10	G 3/8"
400	12	G 3/8"
400	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
250	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

THV - BANJO TEES

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
450	8	M 14 x 1,5	16,5	30,0	19	22	19
250	38	M 48 x 2	41,5	87,0	60	70	60
250	30	M 42 x 2	37,0	76,0	55	60	50
250	25	M 33 x 2	31,5	66,0	46	50	46
500	6	M 12 x 1,5	16,5	30,0	19	22	17
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	14	M 20 x 1,5	22,5	43,5	30	32	27
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	15	M 18 x 1,5	20,5	39,5	27	30	27
350	12	M 16 x 1,5	18,0	36,0	24	27	22

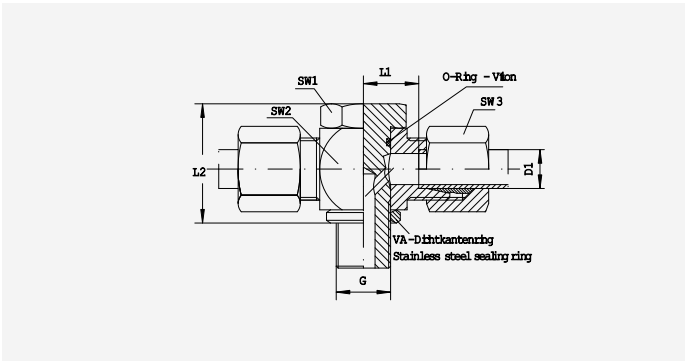
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	4	M 8 x 1	11,0	24,0	17	18	10
100	6	M 10 x 1	11,5	24,0	17	18	12
100	8	M 10 x 1	11,5	24,0	17	18	14

THV - BANJO TEES - SILVER COATED

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
350	12	M 16 x 1,5	18,0	36,0	24	27	22
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	28	M 33 x 2	32,0	66,0	46	50	41
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
315	15	M 18 x 1,5	20,5	39,5	27	30	27
350	10	M 14 x 1,5	15,5	30,0	19	22	19
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60
200	22	M 26 x 1,5	27,5	53,0	36	40	36

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
250	25	M 33 x 2	31,5	66,0	46	50	46
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	14	M 20 x 1,5	22,5	43,5	30	32	27
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

THV - BANJO TEES

Banjo Tees With Stainless Steel Sealing Ring for DIN 3852 (small) | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) On Request: With Bonded Seal Ring - Category 8.276 and 8.277



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	4	M 8 x 1
100	6	M 10 x 1
100	8	M 10 x 1

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 10 x 1
400	8	M 12 x 1,5
350	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
200	22	M 26 x 1,5
200	28	M 33 x 2
200	35	M 42 x 2
200	42	M 48 x 2

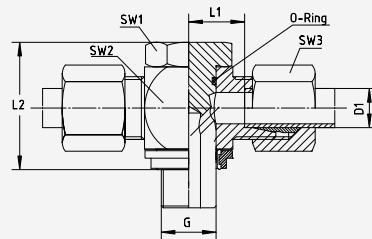
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 12 x 1,5
450	8	M 14 x 1,5
400	10	M 16 x 1,5
400	12	M 18 x 1,5
400	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
250	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

THV - BANJO TEES

Banjo Tees For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
100	6	M 10 x 1	11,5	24,0	17	18	12
100	8	M 10 x 1	11,5	24,0	17	18	14

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

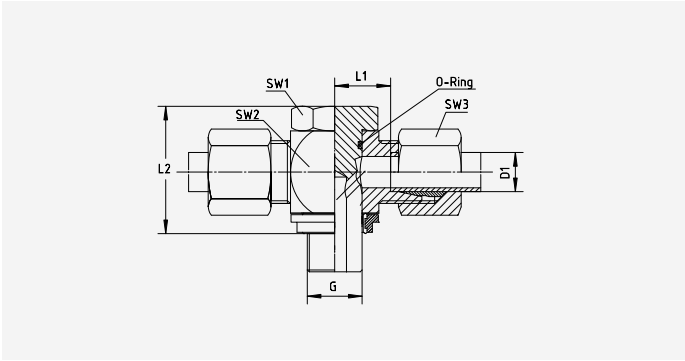
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

THV - BANJO TEES - SILVER COATED

Banjo Tees For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 10 x 1	12,0	24,0	17	18	14
400	8	M 12 x 1,5	14,5	30,0	19	22	17
350	10	M 14 x 1,5	15,5	30,0	19	22	19
315	12	M 16 x 1,5	18,0	36,0	24	27	22
315	15	M 18 x 1,5	20,5	39,5	27	30	27
315	18	M 22 x 1,5	21,0	45,0	30	32	32
200	22	M 26 x 1,5	27,5	53,0	36	40	36
200	28	M 33 x 2	32,0	66,0	46	50	41
200	35	M 42 x 2	36,0	76,0	55	60	50
200	42	M 48 x 2	40,5	87,0	60	70	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	SW1	SW2	SW3
500	6	M 12 x 1,5	16,5	30,0	19	22	17
450	8	M 14 x 1,5	16,5	30,0	19	22	19
400	10	M 16 x 1,5	18,5	36,0	24	27	22
400	12	M 18 x 1,5	20,0	39,5	27	30	24
400	16	M 22 x 1,5	22,0	45,0	30	32	30
400	20	M 27 x 2	26,5	53,0	36	40	36
250	25	M 33 x 2	31,5	66,0	46	50	46
250	30	M 42 x 2	37,0	76,0	55	60	50
250	38	M 48 x 2	41,5	87,0	60	70	60

THV - BANJO TEES

Banjo Tees For recesses narrow ISO 9974 | Thread G: Metric - Parallel

Banjo Bolt must be greased prior to assembly (see General Information Category 1) With Bonded Seal Ring - Viton - Category 8.278



Series LL

Pressure	Tube O.D.	Thread
PN	D1	G
100	6	M 10 x 1
100	8	M 10 x 1

Series L

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 10 x 1
400	8	M 12 x 1,5
350	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
200	22	M 26 x 1,5
200	28	M 33 x 2
200	35	M 42 x 2
200	42	M 48 x 2

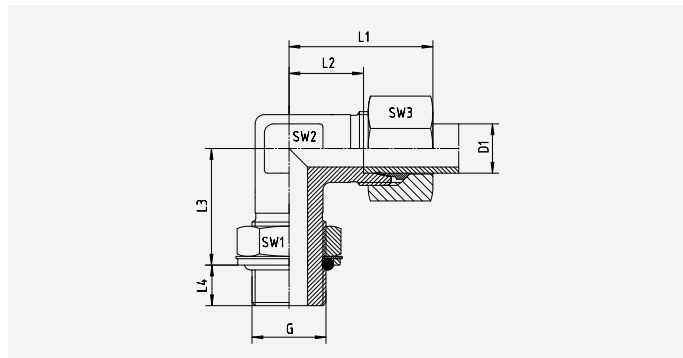
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
500	6	M 12 x 1,5
450	8	M 14 x 1,5
400	10	M 16 x 1,5
400	12	M 18 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
250	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

WEEV - ADJUSTABLE ELBOW COUPLINGS

Adjustable Elbow Couplings with Locknut For Port with small and large countersink

Sealing by O-Ring (Viton) with Retaining Ring (ISO 1179)



Series L

Pressure PN	Tube O.D. D1	Thread G = BSP	Approx. Dimensions							
			D1	L1	L2	L3	L4	SW1	SW2	SW3
315	6	G 1/8"	6	29	14	19	7	14	14	14
315	8	G 1/4"	8	31	16	23	9	19	14	17
315	10	G 1/4"	10	32	17	25	9	19	19	19
250	12	G 3/8"	12	34	19	28	9	22	19	22
250	15	G 1/2"	15	36	21	30	13	27	19	27
250	18	G 1/2"	18	40	24	36	13	27	27	32
160	22	G 3/4"	22	44	28	36	13	36	27	36
160	28	G 1"	28	47	31	44	15	41	36	41
160	35	G 1 1/4"	35	59	38	50	15	50	50	50
160	42	G 1 1/2"	42	61	38	52	15	55	50	60

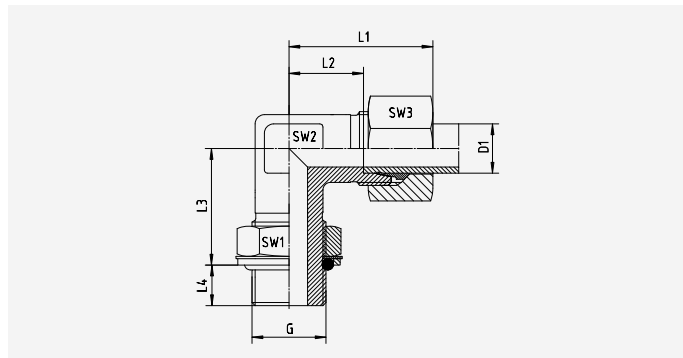
Series S

Pressure PN	Tube O.D. D1	Thread G = BSP	Approx. Dimensions							
			D1	L1	L2	L3	L4	SW1	SW2	SW3
315	6	G 1/4"	6	30	15	23	9	19	14	17
315	8	G 1/4"	8	32	17	27	9	19	19	19
250	10	G 3/8"	10	34	18	29	9	22	19	22
250	12	G 3/8"	12	38	22	29	9	22	22	24
250	16	G 1/2"	16	43	25	36	13	27	27	30
250	20	G 3/4"	20	49	28	39	12	36	30	36
250	25	G 1"	25	54	30	44	14	41	36	46
160	30	G 1 1/4"	30	52	36	49	15	50	50	50
160	38	G 1 1/2"	38	65	34	55	15	55	50	60

WEEV - ADJUSTABLE ELBOW COUPLINGS - SILVER COATED

Adjustable Elbow Couplings with Locknut For Port with small and large countersink

Sealing by O-Ring (Viton) with Retaining Ring (ISO 1179)



Series L

Pressure PN	Tube O.D. D1	Thread G = BSP	Approx. Dimensions							
			D1	L1	L2	L3	L4	SW1	SW2	SW3
315	6	G 1/8"	6	29	14	19	7	14	14	14
315	8	G 1/4"	8	31	16	23	9	19	14	17
315	10	G 1/4"	10	32	17	25	9	19	19	19
250	12	G 3/8"	12	34	19	28	9	22	19	22
250	15	G 1/2"	15	36	21	30	13	27	19	27
250	18	G 1/2"	18	40	24	36	13	27	27	32
160	22	G 3/4"	22	44	28	36	13	36	27	36
160	28	G 1"	28	47	31	44	15	41	36	41
160	35	G 1 1/4"	35	59	38	50	15	50	50	50
160	42	G 1 1/2"	42	61	38	52	15	55	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G = BSP	Approx. Dimensions							
			D1	L1	L2	L3	L4	SW1	SW2	SW3
315	6	G 1/4"	6	30	15	23	9	19	14	17
315	8	G 1/4"	8	32	17	27	9	19	19	19
250	10	G 3/8"	10	34	18	29	9	22	19	22
250	12	G 3/8"	12	38	22	29	9	22	22	24
250	16	G 1/2"	16	43	25	36	13	27	27	30
250	20	G 3/4"	20	49	28	39	12	36	30	36
250	25	G 1"	25	54	30	44	14	41	36	46
160	30	G 1 1/4"	30	52	36	49	15	50	50	50
160	38	G 1 1/2"	38	65	34	55	15	55	50	60

WEEV - ADJUSTABLE ELBOW COUPLINGS

Adjustable Elbow Couplings with Locknut For Port with small and large countersink

Sealing by O-Ring (Viton) with Retaining Ring (ISO 1179)



Series L

Pressure	Tube O.D.	Thread
PN	D1	G = BSP
315	6	G 1/8"
315	8	G 1/4"
315	10	G 1/4"
250	12	G 3/8"
250	15	G 1/2"
250	18	G 1/2"
160	22	G 3/4"
160	28	G 1"
160	35	G 1 1/4"
160	42	G 1 1/2"

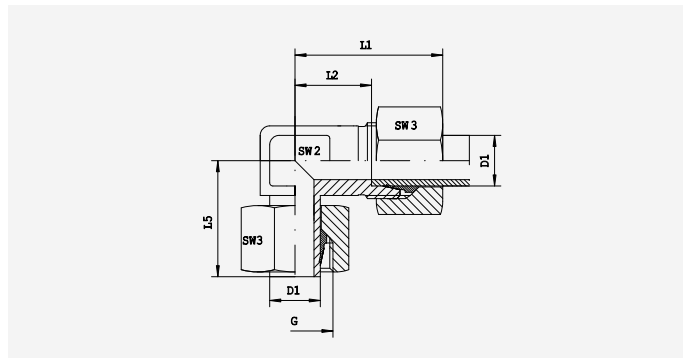
Series S

Pressure	Tube O.D.	Thread
PN	D1	G = BSP
315	6	G 1/4"
315	8	G 1/4"
250	10	G 3/8"
250	12	G 3/8"
250	16	G 1/2"
250	20	G 3/4"
250	25	G 1"
160	30	G 1 1/4"
160	38	G 1 1/2"

EVW - SWIVEL ELBOWS

Adjustable Elbow Couplings with Locknut For Port with small and large countersink

Sealing by O-Ring (Viton) with Retaining Ring (ISO 1179)



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
315	6	M 12 x 1,5	27	12,0	26,0	12	14
315	8	M 14 x 1,5	29	14,0	27,5	12	17
315	10	M 16 x 1,5	30	15,0	29,0	14	19
315	12	M 18 x 1,5	32	17,0	29,5	17	22
315	15	M 22 x 1,5	36	21,0	32,5	19	27
315	18	M 26 x 1,5	40	23,5	35,5	24	32
160	22	M 30 x 2	44	27,5	38,5	27	36
160	28	M 36 x 2	47	30,5	43,5	36	41
160	35	M 45 x 2	56	34,5	54,0	41	50
160	42	M 52 x 2	63	40,0	56,0	50	60

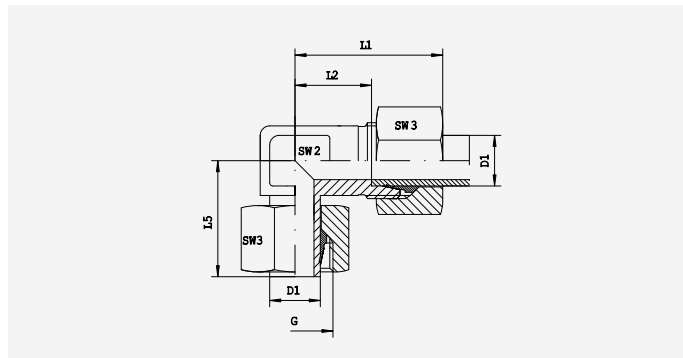
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	L5	SW2	SW3
630	6	M 14 x 1,5	31	16,0	27,0	12	17
630	8	M 16 x 1,5	32	17,0	27,5	14	19
630	10	M 18 x 1,5	34	17,5	30,0	17	22
630	12	M 20 x 1,5	38	21,5	31,0	17	24
630	14	M 22 x 1,5	40	22,0	35,0	19	27
400	16	M 24 x 1,5	43	24,5	36,5	24	30
400	20	M 30 x 2	48	26,5	44,5	27	36
400	25	M 36 x 2	54	30,0	50,0	36	46
400	30	M 42 x 2	62	35,5	55,0	41	50
250	38	M 52 x 2	72	41,0	63,0	50	60

EVW - SWIVEL ELBOWS - SILVER COATED

Swivel Elbows | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
315	6	M 12 x 1,5	27	12,0	26,0	12	14
315	8	M 14 x 1,5	29	14,0	27,5	12	17
315	10	M 16 x 1,5	30	15,0	29,0	14	19
315	12	M 18 x 1,5	32	17,0	29,5	17	22
315	15	M 22 x 1,5	36	21,0	32,5	19	27
315	18	M 26 x 1,5	40	23,5	35,5	24	32
160	22	M 30 x 2	44	27,5	38,5	27	36
160	28	M 36 x 2	47	30,5	43,5	36	41
160	35	M 45 x 2	56	34,5	54,0	41	50
160	42	M 52 x 2	63	40,0	56,0	50	60

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions				
PN	D1	G	L1	L2	L5	SW2	SW3
630	6	M 14 x 1,5	31	16,0	27,0	12	17
630	8	M 16 x 1,5	32	17,0	27,5	14	19
630	10	M 18 x 1,5	34	17,5	30,0	17	22
630	12	M 20 x 1,5	38	21,5	31,0	17	24
630	14	M 22 x 1,5	40	22,0	35,0	19	27
400	16	M 24 x 1,5	43	24,5	36,5	24	30
400	20	M 30 x 2	48	26,5	44,5	27	36
400	25	M 36 x 2	54	30,0	50,0	36	46
400	30	M 42 x 2	62	35,5	55,0	41	50
250	38	M 52 x 2	72	41,0	63,0	50	60

EVW - SWIVEL ELBOWS

Swivel Elbows | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 12 x 1,5
315	8	M 14 x 1,5
315	10	M 16 x 1,5
315	12	M 18 x 1,5
315	15	M 22 x 1,5
315	18	M 26 x 1,5
160	22	M 30 x 2
160	28	M 36 x 2
160	35	M 45 x 2
160	42	M 52 x 2

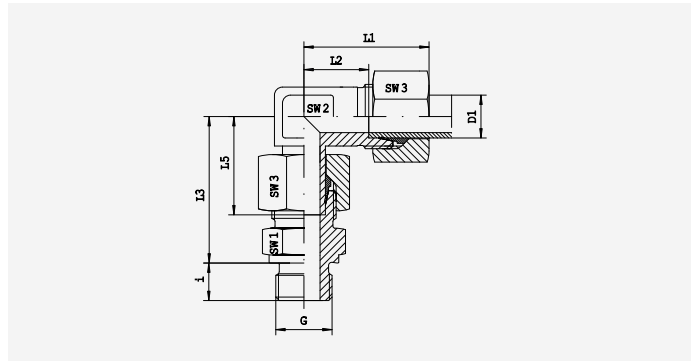
Series S

Pressure	Tube O.D.	Thread
PN	D1	G = BSP
630	6	M 14 x 1,5
630	8	M 16 x 1,5
630	10	M 18 x 1,5
630	12	M 20 x 1,5
630	14	M 22 x 1,5
400	16	M 24 x 1,5
400	20	M 30 x 2
400	25	M 36 x 2
400	30	M 42 x 2
250	38	M 52 x 2

EVW - SWIVEL ELBOWS

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 1/4"	32	17,0	42,0	29,5	12	19	17	22
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	12	G 1/2"	32	17,0	43,0	29,5	14	27	17	22
315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

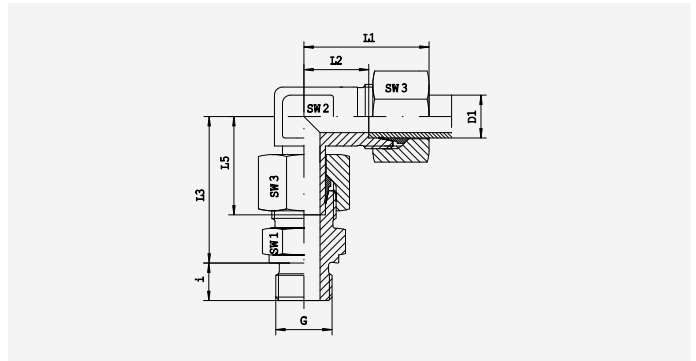
Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24
630	12	G 1/2"	38	21,5	50,0	31,0	14	27	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVW - SWIVEL ELBOWS - SILVER COATED

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 1/4"	32	17,0	42,0	29,5	12	19	17	22
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	12	G 1/2"	32	17,0	43,0	29,5	14	27	17	22
315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24
630	12	G 1/2"	38	21,5	50,0	31,0	14	27	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVW - SWIVEL ELBOWS

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/8"
315	8	G 1/4"
315	10	G 1/4"
315	12	G 1/4"
315	12	G 3/8"
315	12	G 1/2"
315	15	G 1/2"
315	18	G 1/2"
160	22	G 3/4"
160	28	G 1"
160	35	G 1 1/4"
160	42	G 1 1/2"

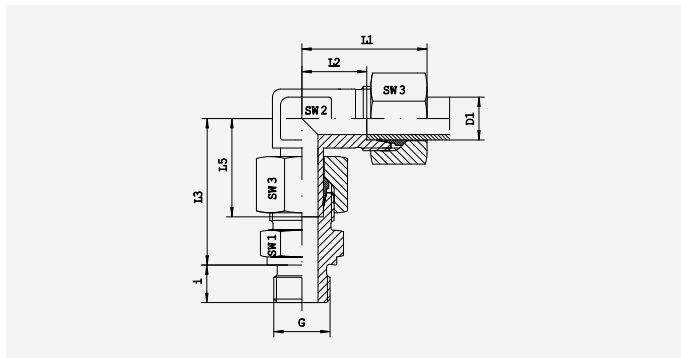
Series L

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/4"
630	8	G 1/4"
630	10	G 3/8"
630	12	G 3/8"
630	12	G 1/2"
630	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
400	25	G 1"
400	30	G 1 1/4"
250	38	G 1 1/2"

EVW - SWIVEL ELBOWS

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

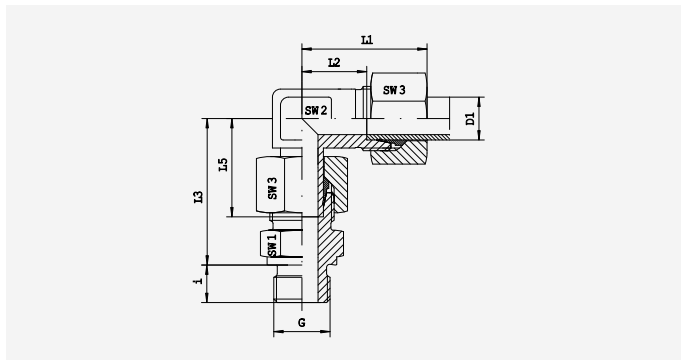
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVW - SWIVEL ELBOWS - SILVER COATED

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVW - SWIVEL ELBOWS

Swivel Elbows | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1
315	8	M 12 x 1,5
315	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
160	22	M 26 x 1,5
160	28	M 33 x 2
160	35	M 42 x 2
160	42	M 48 x 2

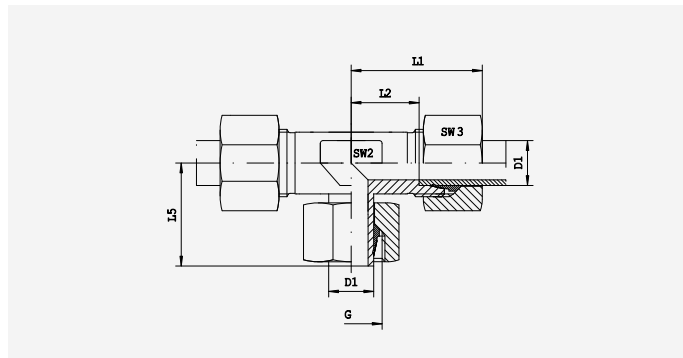
Series L

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
400	30	M 42 x 2
250	38	M 48 x 2

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L5	SW2	SW3	
315	6	M 12 x 1,5	27	12,0	26,0	12	14	
315	8	M 14 x 1,5	29	14,0	27,5	12	17	
315	10	M 16 x 1,5	30	15,0	29,0	14	19	
315	12	M 18 x 1,5	32	17,0	29,5	17	22	
315	15	M 22 x 1,5	36	21,0	32,5	19	27	
315	18	M 26 x 1,5	40	23,5	35,5	24	32	
160	22	M 30 x 2	44	27,5	38,5	27	36	
160	28	M 36 x 2	47	30,5	41,5	36	41	
160	35	M 45 x 2	56	34,5	54,0	41	50	
160	42	M 52 x 2	63	40,0	56,0	50	60	

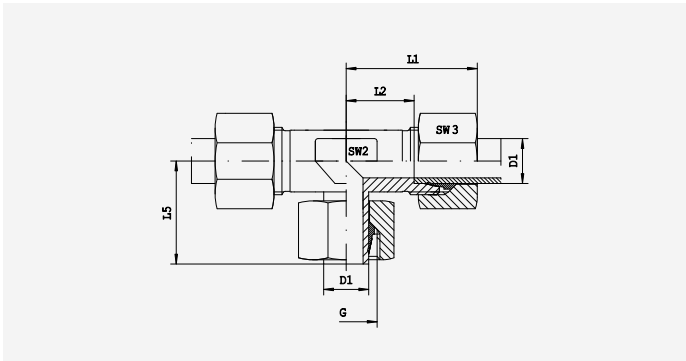
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	SW1	SW2	SW3	
630	6	M 14 x 1,5	31	16,0	27,0	12	17	
630	8	M 16 x 1,5	32	17,0	27,5	14	19	
630	10	M 18 x 1,5	34	17,5	30,0	17	22	
630	12	M 20 x 1,5	38	21,5	31,0	17	24	
630	14	M 22 x 1,5	40	22,0	35,0	19	27	
400	16	M 24 x 1,5	43	24,5	36,5	24	30	
400	20	M 30 x 2	48	26,5	44,5	27	36	
400	25	M 36 x 2	54	30,0	50,0	36	46	
400	30	M 42 x 2	62	35,5	55,0	41	50	
250	38	M 52 x 2	72	41,0	63,0	50	60	

EVT - SWIVEL BRANCH TEES - SILVER COATED

Swivel Branch Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	L5	SW2	SW3	
315	6	M 12 x 1,5	27	12,0	26,0	12	14	
315	8	M 14 x 1,5	29	14,0	27,5	12	17	
315	10	M 16 x 1,5	30	15,0	29,0	14	19	
315	12	M 18 x 1,5	32	17,0	29,5	17	22	
315	15	M 22 x 1,5	36	21,0	32,5	19	27	
315	18	M 26 x 1,5	40	23,5	35,5	24	32	
160	22	M 30 x 2	44	27,5	38,5	27	36	
160	28	M 36 x 2	47	30,5	41,5	36	41	
160	35	M 45 x 2	56	34,5	54,0	41	50	
160	42	M 52 x 2	63	40,0	56,0	50	60	

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	SW1	SW2	SW3	
630	6	M 14 x 1,5	31	16,0	27,0	12	17	
630	8	M 16 x 1,5	32	17,0	27,5	14	19	
630	10	M 18 x 1,5	34	17,5	30,0	17	22	
630	12	M 20 x 1,5	38	21,5	31,0	17	24	
630	14	M 22 x 1,5	40	22,0	35,0	19	27	
400	16	M 24 x 1,5	43	24,5	36,5	24	30	
400	20	M 30 x 2	48	26,5	44,5	27	36	
400	25	M 36 x 2	54	30,0	50,0	36	46	
400	30	M 42 x 2	62	35,5	55,0	41	50	
250	38	M 52 x 2	72	41,0	63,0	50	60	

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 12 x 1,5
315	8	M 14 x 1,5
315	10	M 16 x 1,5
315	12	M 18 x 1,5
315	15	M 22 x 1,5
315	18	M 26 x 1,5
160	22	M 30 x 2
160	28	M 36 x 2
160	35	M 45 x 2
160	42	M 52 x 2

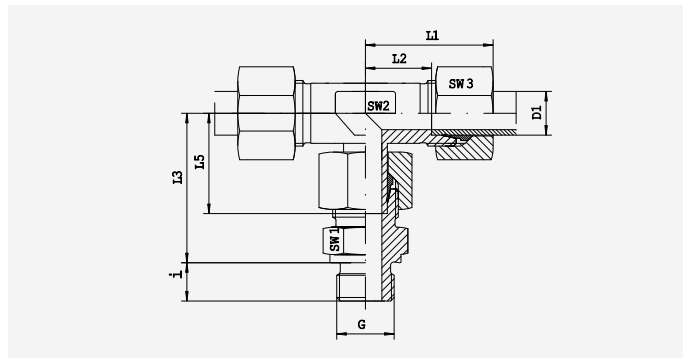
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 14 x 1,5
630	8	M 16 x 1,5
630	10	M 18 x 1,5
630	12	M 20 x 1,5
630	14	M 22 x 1,5
400	16	M 24 x 1,5
400	20	M 30 x 2
400	25	M 36 x 2
400	30	M 42 x 2
250	38	M 52 x 2

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	15	G 1/2"	36	21,0	46,0	32,5	12	24	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

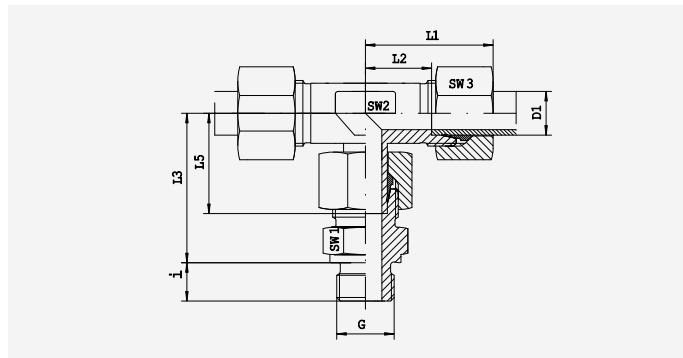
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	17	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	24	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVT - SWIVEL BRANCH TEES - SILVER COATED

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	15	G 1/2"	36	21,0	46,0	32,5	12	24	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	17	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	24	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/8"
315	8	G 1/4"
315	10	G 1/4"
315	12	G 3/8"
315	15	G 1/2"
315	18	G 1/2"
160	22	G 3/4"
160	28	G 1"
160	35	G 1 1/4"
160	42	G 1 1/2"

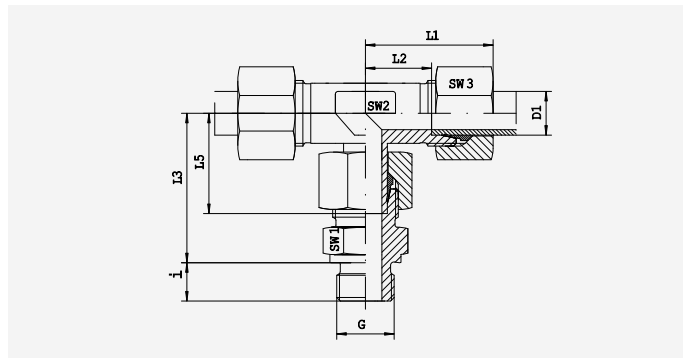
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/4"
630	8	G 1/4"
630	10	G 3/8"
630	12	G 3/8"
630	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
400	25	G 1"
400	30	G 1 1/4"
250	38	G 1 1/2"

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

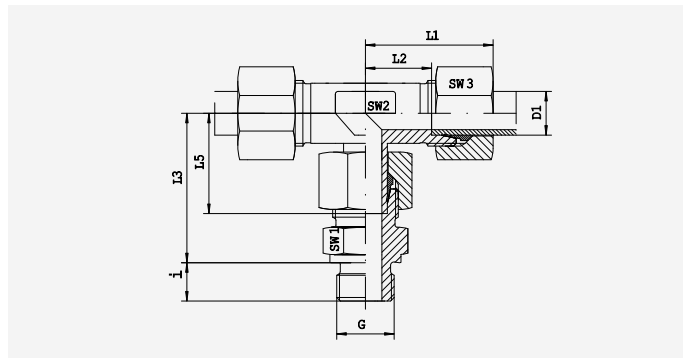
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVT - SWIVEL BRANCH TEES - SILVER COATED

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVT - SWIVEL BRANCH TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1
315	8	M 12 x 1,5
315	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
160	22	M 26 x 1,5
160	28	M 33 x 2
160	35	M 42 x 2
160	42	M 48 x 2

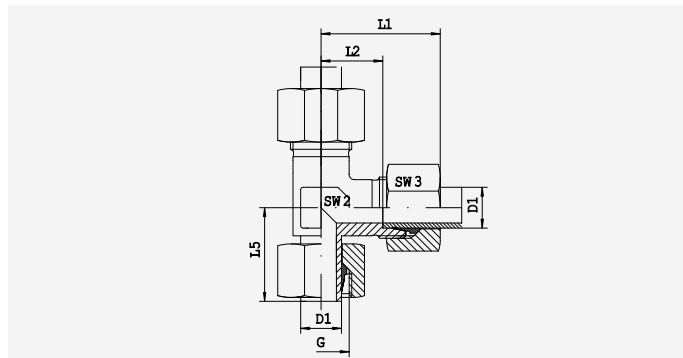
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
400	30	M 42 x 2
250	38	M 48 x 2

EVL - SWIVEL BARREL TEES

Swivel Branch Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
315	6	M 12 x 1,5	27	12,0	26,0	12	14
315	8	M 14 x 1,5	29	14,0	27,5	12	17
315	10	M 16 x 1,5	30	15,0	29,0	14	19
315	12	M 18 x 1,5	32	17,0	29,5	17	22
315	15	M 22 x 1,5	36	21,0	32,5	19	27
315	18	M 26 x 1,5	40	23,5	35,5	24	32
160	22	M 30 x 2	44	27,5	38,5	27	36
160	28	M 36 x 2	47	30,5	43,5	36	41
160	35	M 45 x 2	56	34,5	54,0	41	50
160	42	M 52 x 2	63	40,0	56,0	50	60

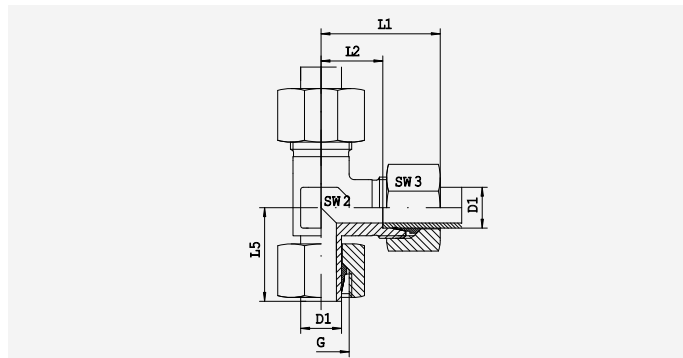
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
630	6	M 14 x 1,5	31	16,0	27,0	12	17
630	8	M 16 x 1,5	32	17,0	27,5	14	19
630	10	M 18 x 1,5	34	17,5	30,0	17	22
630	12	M 20 x 1,5	38	21,5	31,0	17	24
630	14	M 22 x 1,5	40	22,0	35,0	19	27
400	16	M 24 x 1,5	43	24,5	36,5	24	30
400	20	M 30 x 2	48	26,5	44,5	27	36
400	25	M 36 x 2	54	30,0	50,0	36	46
400	30	M 42 x 2	62	35,5	55,0	41	50
250	38	M 52 x 2	72	41,0	63,0	50	60

EVL - SWIVEL BARREL TEES - SILVER COATED

Swivel Branch Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
315	6	M 12 x 1,5	27	12,0	26,0	12	14
315	8	M 14 x 1,5	29	14,0	27,5	12	17
315	10	M 16 x 1,5	30	15,0	29,0	14	19
315	12	M 18 x 1,5	32	17,0	29,5	17	22
315	15	M 22 x 1,5	36	21,0	32,5	19	27
315	18	M 26 x 1,5	40	23,5	35,5	24	32
160	22	M 30 x 2	44	27,5	38,5	27	36
160	28	M 36 x 2	47	30,5	43,5	36	41
160	35	M 45 x 2	56	34,5	54,0	41	50
160	42	M 52 x 2	63	40,0	56,0	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions				
			L1	L2	L5	SW2	SW3
630	6	M 14 x 1,5	31	16,0	27,0	12	17
630	8	M 16 x 1,5	32	17,0	27,5	14	19
630	10	M 18 x 1,5	34	17,5	30,0	17	22
630	12	M 20 x 1,5	38	21,5	31,0	17	24
630	14	M 22 x 1,5	40	22,0	35,0	19	27
400	16	M 24 x 1,5	43	24,5	36,5	24	30
400	20	M 30 x 2	48	26,5	44,5	27	36
400	25	M 36 x 2	54	30,0	50,0	36	46
400	30	M 42 x 2	62	35,5	55,0	41	50
250	38	M 52 x 2	72	41,0	63,0	50	60

EVT - SWIVEL BRANCH TEES

Swivel Barrel Tees | Male Stud Type - Pre-Assembled

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 12 x 1,5
315	8	M 14 x 1,5
315	10	M 16 x 1,5
315	12	M 18 x 1,5
315	15	M 22 x 1,5
315	18	M 26 x 1,5
160	22	M 30 x 2
160	28	M 36 x 2
160	35	M 45 x 2
160	42	M 52 x 2

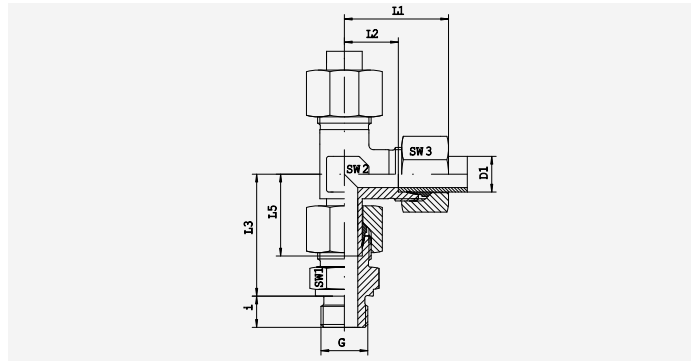
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 14 x 1,5
630	8	M 16 x 1,5
630	10	M 18 x 1,5
630	12	M 20 x 1,5
630	14	M 22 x 1,5
400	16	M 24 x 1,5
400	20	M 30 x 2
400	25	M 36 x 2
400	30	M 42 x 2
250	38	M 52 x 2

EVL - SWIVEL BARREL TEES

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	15	G 1/2"	36	21,0	46,0	32,5	12	24	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

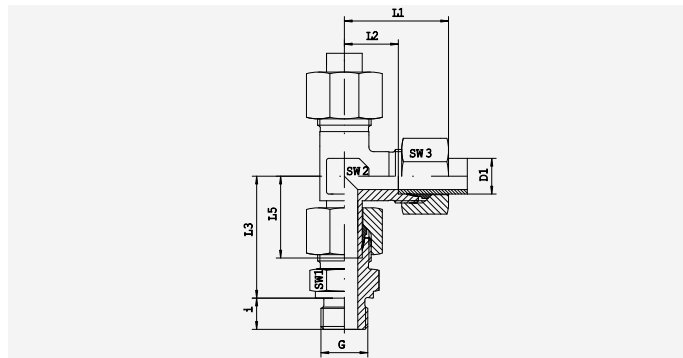
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	17	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	24	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVL - SWIVEL BARREL TEES - SILVER COATED

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14
315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17
315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19
315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22
315	15	G 1/2"	36	21,0	46,0	32,5	12	24	19	27
315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32
160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36
160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41
160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50
160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	G 1/4"	31	16,0	40,0	27,0	12	17	12	17
630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19
630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22
630	12	G 3/8"	38	21,5	48,0	31,0	12	24	17	24
630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27
400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30
400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36
400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46
400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50
250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60

EVL - SWIVEL BARREL TEES

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: BSP - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure	Tube O.D.	Thread
PN	D1	G
315	6	G 1/8"
315	8	G 1/4"
315	10	G 1/4"
315	12	G 3/8"
315	15	G 1/2"
315	18	G 1/2"
160	22	G 3/4"
160	28	G 1"
160	35	G 1 1/4"
160	42	G 1 1/2"

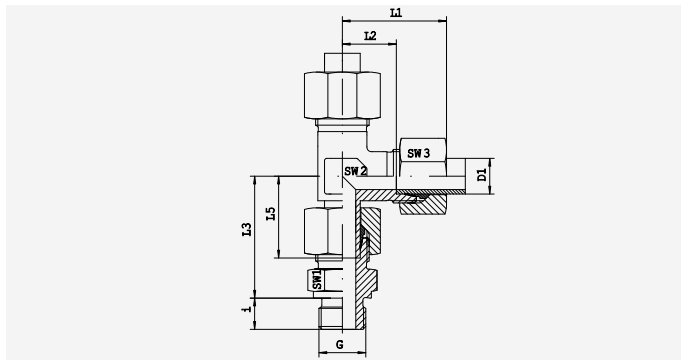
Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	G 1/4"
630	8	G 1/4"
630	10	G 3/8"
630	12	G 3/8"
630	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
400	25	G 1"
400	30	G 1 1/4"
250	38	G 1 1/2"

EVL - SWIVEL BARREL TEES

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

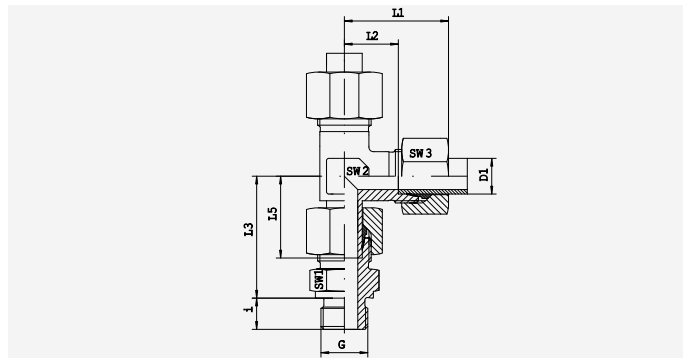
Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVL - SWIVEL BARREL TEES - SILVER COATED

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14
315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17
315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19
315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22
315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27
315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32
160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36
160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41
160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50
160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions							
			L1	L2	L3	L5	i	SW1	SW2	SW3
630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17
630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19
630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22
630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24
630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27
400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30
400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36
400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46
400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50
250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60

EVL - SWIVEL BARREL TEES

Swivel Barrel Tees | Male Stud Type - Pre-Assembled | Thread: Metric - Parallel / Sealing by Sealing Shoulder

Form B | The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

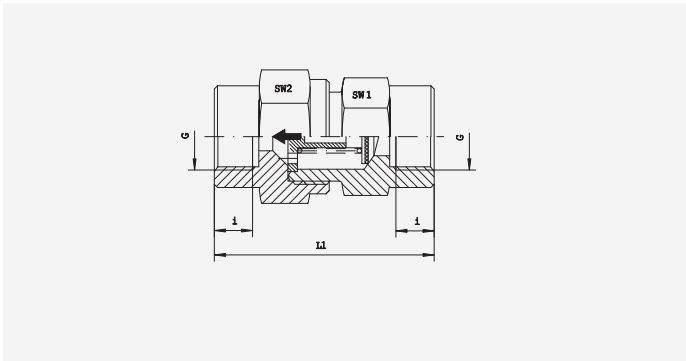
Pressure	Tube O.D.	Thread
PN	D1	G
315	6	M 10 x 1
315	8	M 12 x 1,5
315	10	M 14 x 1,5
315	12	M 16 x 1,5
315	15	M 18 x 1,5
315	18	M 22 x 1,5
160	22	M 26 x 1,5
160	28	M 33 x 2
160	35	M 42 x 2
160	42	M 48 x 2

Series S

Pressure	Tube O.D.	Thread
PN	D1	G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
400	30	M 42 x 2
250	38	M 48 x 2

NON-RETURN VALVES

Both Sides Inside Thread | BSP - Parallel | NPT-Thread



Series BSP

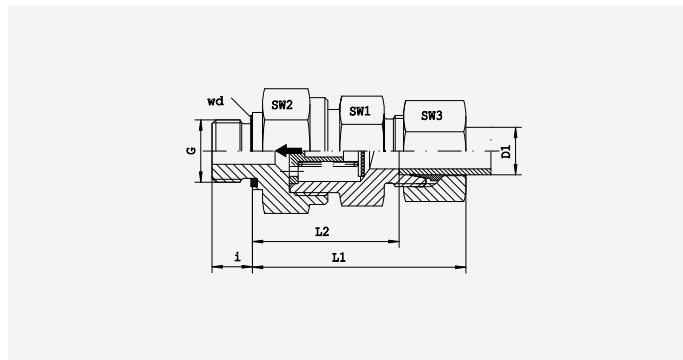
Pressure	Thread	Approx. Dimensions			
		L1	i	SW1	SW2
PB	G				
400	G 1/8" BSP	42,5	8,0	17	17
400	G 1/4" BSP	54,0	12,0	19	19
400	G 3/8" BSP	60,0	12,0	24	27
400	G 1/2" BSP	71,0	15,0	32	36
400	G 3/4" BSP	84,0	16,5	41	46
400	G 1" BSP	94,5	19,0	46	50
250	G 1 1/4" BSP	110,0	21,5	55	60
250	G 1 1/2" BSP	114,5	22,0	65	70
250	G 2" BSP	120,0	26,0	75	75

Series NPT

Pressure	Thread	Approx. Dimensions			
		L1	i	SW1	SW2
PB	G				
400	1/8" NPT	42,5	11,6	17	17
400	1/4" NPT	57,5	16,4	19	19
400	3/8" NPT	63,5	17,4	24	27
400	1/2" NPT	78,0	22,6	32	36
400	3/4" NPT	84,5	23,1	41	46
400	1" NPT	101,0	27,8	46	50
250	1 1/4" NPT	110,0	28,3	55	60
250	1 1/2" NPT	117,5	28,3	65	70
250	2" NPT	120,0		75	75

NON-RETURN VALVES

Thread G: Metric - Parallel | Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

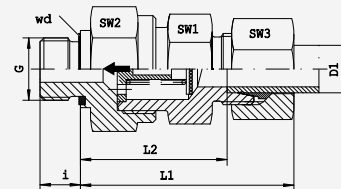
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
250	6	M 10 x 1	41	26,5	8	17	17	14	
250	8	M 12 x 1,5	43	28,5	12	19	17	17	
250	10	M 14 x 1,5	53	38,5	12	24	22	19	
250	12	M 16 x 1,5	55	40,5	12	30	27	22	
250	15	M 18 x 1,5	58	42,5	12	30	27	27	
160	18	M 22 x 1,5	64	48,0	14	36	36	32	
160	22	M 26 x 1,5	72	56,0	16	46	41	36	
100	28	M 33 x 2	81	64,0	18	55	50	41	
100	35	M 42 x 2	92	70,0	20	60	60	50	
100	42	M 48 x 2	104	71,5	22	70	65	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
630	6	M 12 x 1,5	46	31,5	12	19	19	17	
630	8	M 14 x 1,5	46	31,5	12	22	19	19	
630	10	M 16 x 1,5	54	38,0	12	27	24	22	
630	12	M 18 x 1,5	57	41,0	12	30	27	24	
630	14	M 20 x 1,5	61	43,5	14	32	27	27	
400	16	M 22 x 1,5	64	46,0	14	36	32	30	
400	20	M 27 x 2	72	50,0	16	46	41	36	
400	25	M 33 x 2	79	54,5	18	50	46	46	
250	30	M 42 x 2	91	64,0	20	60	55	50	
250	38	M 48 x 2	102	71,5	22	70	65	60	

NON-RETURN VALVES - SILVER COATED

Thread G: Metric - Parallel | Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
250	6	M 10 x 1	41	26,5	8	17	17	14
250	8	M 12 x 1,5	43	28,5	12	19	17	17
250	10	M 14 x 1,5	53	38,5	12	24	22	19
250	12	M 16 x 1,5	55	40,5	12	30	27	22
250	15	M 18 x 1,5	58	42,5	12	30	27	27
160	18	M 22 x 1,5	64	48,0	14	36	36	32
160	22	M 26 x 1,5	72	56,0	16	46	41	36
100	28	M 33 x 2	81	64,0	18	55	50	41
100	35	M 42 x 2	92	70,0	20	60	60	50
100	42	M 48 x 2	104	71,5	22	70	65	60

Series S

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
630	6	M 12 x 1,5	46	31,5	12	19	19	17
630	8	M 14 x 1,5	46	31,5	12	22	19	19
630	10	M 16 x 1,5	54	38,0	12	27	24	22
630	12	M 18 x 1,5	57	41,0	12	30	27	24
630	14	M 20 x 1,5	61	43,5	14	32	27	27
400	16	M 22 x 1,5	64	46,0	14	36	32	30
400	20	M 27 x 2	72	50,0	16	46	41	36
400	25	M 33 x 2	79	54,5	18	50	46	46
250	30	M 42 x 2	91	64,0	20	60	55	50
250	38	M 48 x 2	102	71,5	22	70	65	60

NON-RETURN VALVES

Thread G: Metric - Parallel | On the one hand for DIN EN ISO 8434-1 Cutting Ring

Final Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

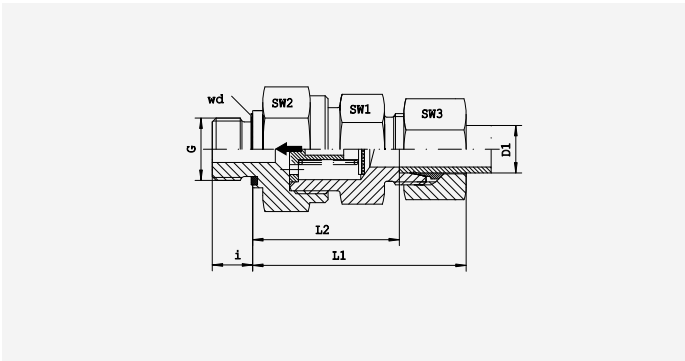
Pressure PB	Tube O.D. D1	Thread G
250	6	M 10 x 1
250	8	M 12 x 1,5
250	10	M 14 x 1,5
250	12	M 16 x 1,5
250	15	M 18 x 1,5
160	18	M 22 x 1,5
160	22	M 26 x 1,5
100	28	M 33 x 2
100	35	M 42 x 2
100	42	M 48 x 2

Series S

Pressure PB	Tube O.D. D1	Thread G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

NON-RETURN VALVES

Thread G: BSP - Parallel | Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

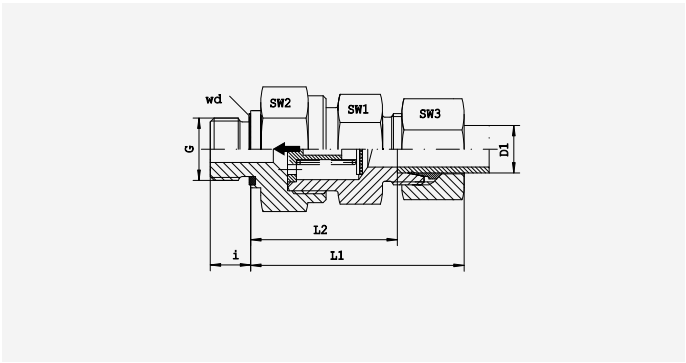
Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
250	6	G 1/8"	41	26,5	8	17	17	14
250	8	G 1/4"	43	28,5	12	19	17	17
250	10	G 1/4"	53	38,5	12	24	22	19
250	12	G 3/8"	55	40,5	12	30	27	22
250	15	G 1/2"	58	42,5	14	30	27	27
160	18	G 1/2"	64	48,0	14	36	36	32
160	22	G 3/4"	72	56,0	16	46	41	36
100	28	G 1"	81	64,0	18	55	50	41
100	35	G 1 1/4"	92	70,0	20	60	60	50
100	42	G 1 1/2"	104	71,5	22	70	65	60

Series S

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
630	6	G 1/4"	46	31,5	12	19	19	17
630	8	G 1/4"	46	31,5	12	22	19	19
630	10	G 3/8"	54	38,0	12	27	24	22
630	12	G 3/8"	57	41,0	12	30	27	24
630	14	G 1/2"	61	43,5	14	32	27	27
400	16	G 1/2"	64	46,0	14	36	32	30
400	20	G 3/4"	72	50,0	16	46	41	36
400	25	G 1"	79	54,5	18	50	46	46
250	30	G 1 1/4"	91	64,0	20	60	55	50
250	38	G 1 1/2"	102	71,5	22	70	65	60

NON-RETURN VALVES - SILVER COATED

Thread G: BSP - Parallel | Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
250	6	G 1/8"	41	26,5	8	17	17	14
250	8	G 1/4"	43	28,5	12	19	17	17
250	10	G 1/4"	53	38,5	12	24	22	19
250	12	G 3/8"	55	40,5	12	30	27	22
250	15	G 1/2"	58	42,5	14	30	27	27
160	18	G 1/2"	64	48,0	14	36	36	32
160	22	G 3/4"	72	56,0	16	46	41	36
100	28	G 1"	81	64,0	18	55	50	41
100	35	G 1 1/4"	92	70,0	20	60	60	50
100	42	G 1 1/2"	104	71,5	22	70	65	60

Series S

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
630	6	G 1/4"	46	31,5	12	19	19	17
630	8	G 1/4"	46	31,5	12	22	19	19
630	10	G 3/8"	54	38,0	12	27	24	22
630	12	G 3/8"	57	41,0	12	30	27	24
630	14	G 1/2"	61	43,5	14	32	27	27
400	16	G 1/2"	64	46,0	14	36	32	30
400	20	G 3/4"	72	50,0	16	46	41	36
400	25	G 1"	79	54,5	18	50	46	46
250	30	G 1 1/4"	91	64,0	20	60	55	50
250	38	G 1 1/2"	102	71,5	22	70	65	60

NON-RETURN VALVES

Thread G: BSP - Parallel | On the one hand for DIN EN ISO 8434-1 Cutting Ring

Screwed Plug with Captive Seal - Viton | Flow towards Screwed Plug



Series L

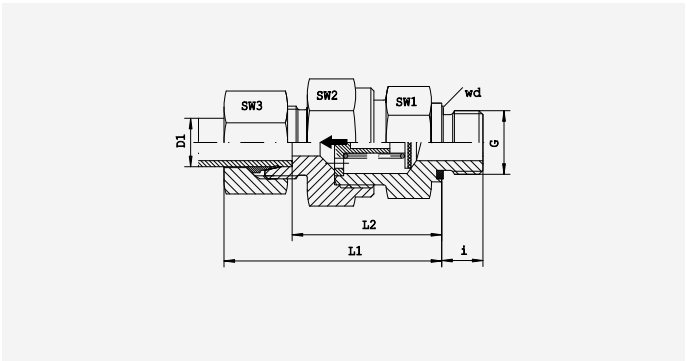
Pressure	Tube O.D.	Thread
PB	D1	G
250	6	G 1/8"
250	8	G 1/4"
250	10	G 1/4"
250	12	G 3/8"
250	15	G 1/2"
160	18	G 1/2"
160	22	G 3/4"
100	28	G 1"
100	35	G 1 1/4"
100	42	G 1 1/2"

Series S

Pressure	Tube O.D.	Thread
PB	D1	G
630	6	G 1/4"
630	8	G 1/4"
630	10	G 3/8"
630	12	G 3/8"
630	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
400	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

NON-RETURN VALVES

Thread G: Metric - Parallel | Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

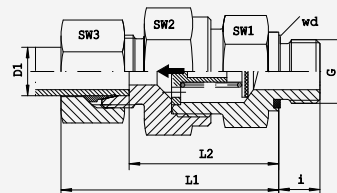
Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
250	6	M 10 x 1	43	28,0	8	17	17	14	
250	8	M 12 x 1,5	44	29,0	12	17	19	17	
250	10	M 14 x 1,5	53	38,5	12	22	24	19	
250	12	M 16 x 1,5	57	42,5	12	27	30	22	
250	15	M 18 x 1,5	61	45,5	12	27	30	27	
160	18	M 22 x 1,5	66	50,0	14	36	36	32	
160	22	M 26 x 1,5	71	55,0	16	41	46	36	
100	28	M 33 x 2	80	63,0	18	50	55	41	
100	35	M 42 x 2	91	69,0	20	60	60	50	
100	42	M 48 x 2	104	71,5	22	65	70	60	

Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
630	6	M 12 x 1,5	46	31,5	12	19	19	17	
630	8	M 14 x 1,5	46	31,5	12	19	22	19	
630	10	M 16 x 1,5	54	38,0	12	24	27	22	
630	12	M 18 x 1,5	57	41,0	12	27	30	24	
630	14	M 20 x 1,5	62	44,5	14	27	32	27	
400	16	M 22 x 1,5	66	48,0	14	32	36	30	
400	20	M 27 x 2	74	52,0	16	41	46	36	
400	25	M 33 x 2	79	54,5	18	46	50	46	
250	30	M 42 x 2	91	64,0	20	55	60	50	
250	38	M 48 x 2	100	69,5	22	65	70	60	

NON-RETURN VALVES - SILVER COATED

Thread G: Metric - Parallel | Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
250	6	M 10 x 1	43	28,0	8	17	17	14	
250	8	M 12 x 1,5	44	29,0	12	17	19	17	
250	10	M 14 x 1,5	53	38,5	12	22	24	19	
250	12	M 16 x 1,5	57	42,5	12	27	30	22	
250	15	M 18 x 1,5	61	45,5	12	27	30	27	
160	18	M 22 x 1,5	66	50,0	14	36	36	32	
160	22	M 26 x 1,5	71	55,0	16	41	46	36	
100	28	M 33 x 2	80	63,0	18	50	55	41	
100	35	M 42 x 2	91	69,0	20	60	60	50	
100	42	M 48 x 2	104	71,5	22	65	70	60	

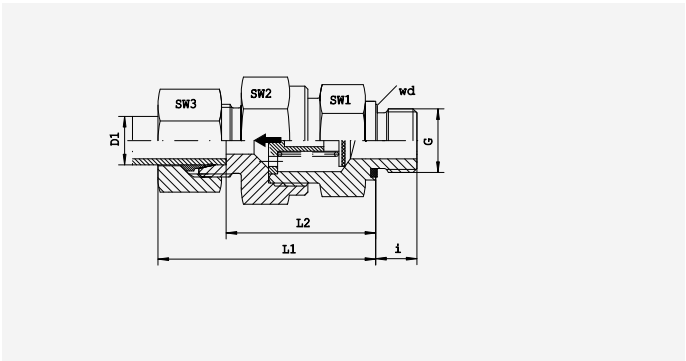
Series S

Pressure	Tube O.D.	Thread	Approx. Dimensions						
PB	D1	G	L1	L2	i	SW1	SW2	SW3	
630	6	M 12 x 1,5	46	31,5	12	19	19	17	
630	8	M 14 x 1,5	46	31,5	12	19	22	19	
630	10	M 16 x 1,5	54	38,0	12	24	27	22	
630	12	M 18 x 1,5	57	41,0	12	27	30	24	
630	14	M 20 x 1,5	62	44,5	14	27	32	27	
400	16	M 22 x 1,5	66	48,0	14	32	36	30	
400	20	M 27 x 2	74	52,0	16	41	46	36	
400	25	M 33 x 2	79	54,5	18	46	50	46	
250	30	M 42 x 2	91	64,0	20	55	60	50	
250	38	M 48 x 2	100	69,5	22	65	70	60	

NON-RETURN VALVES

Thread G: Metric - Parallel | On the one hand for DIN EN ISO 8434-1 Cutting Ring

Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

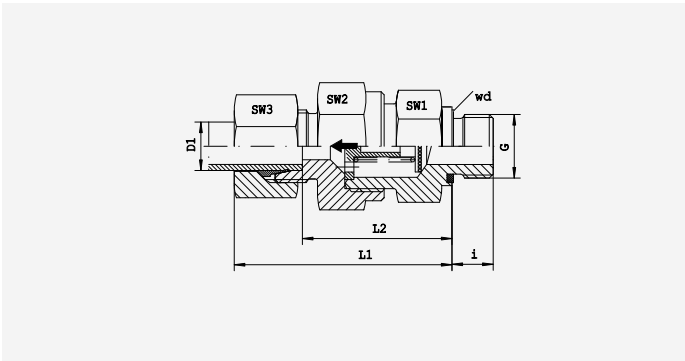
Pressure	Tube O.D.	Thread
PB	D1	G
250	6	M 10 x 1
250	8	M 12 x 1,5
250	10	M 14 x 1,5
250	12	M 16 x 1,5
250	15	M 18 x 1,5
160	18	M 22 x 1,5
160	22	M 26 x 1,5
100	28	M 33 x 2
100	35	M 42 x 2
100	42	M 48 x 2

Series S

Pressure	Tube O.D.	Thread
PB	D1	G
630	6	M 12 x 1,5
630	8	M 14 x 1,5
630	10	M 16 x 1,5
630	12	M 18 x 1,5
630	14	M 20 x 1,5
400	16	M 22 x 1,5
400	20	M 27 x 2
400	25	M 33 x 2
250	30	M 42 x 2
250	38	M 48 x 2

NON-RETURN VALVES

Thread G: BSP - Parallel | Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

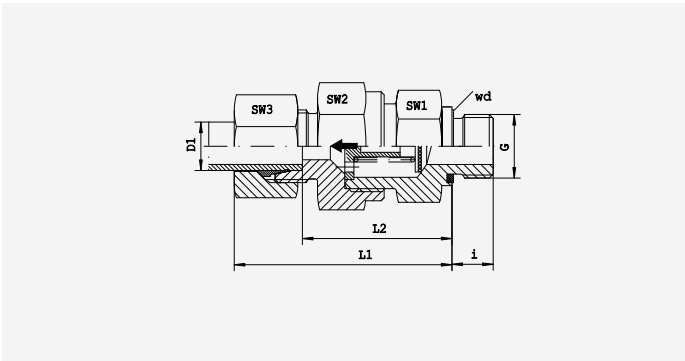
Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
250	6	G 1/8"	43	28,0	8	17	17	14
250	8	G 1/4"	45	30,0	12	19	19	17
250	10	G 1/4"	53	38,5	12	22	24	19
250	12	G 3/8"	57	42,5	12	27	30	22
250	15	G 1/2"	61	45,5	14	27	30	27
160	18	G 1/2"	66	50,0	14	36	36	32
160	22	G 3/4"	71	55,0	16	41	46	36
100	28	G 1"	80	63,0	18	50	55	41
100	35	G 1 1/4"	91	69,0	20	60	60	50
100	42	G 1 1/2"	104	71,5	22	65	70	60

Series S

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
630	6	G 1/4"	46	31,5	12	19	19	17
630	8	G 1/4"	46	31,5	12	19	22	19
630	10	G 3/8"	54	38,0	12	24	27	22
630	12	G 3/8"	57	41,0	12	27	30	24
630	14	G 1/2"	62	44,5	14	27	32	27
400	16	G 1/2"	66	48,0	14	32	36	30
400	20	G 3/4"	74	52,0	16	41	46	36
400	25	G 1"	79	54,5	18	46	50	46
250	30	G 1 1/4"	91	64,0	20	55	60	50
250	38	G 1 1/2"	100	69,5	22	65	70	60

NON-RETURN VALVES - SILVER COATED

Thread G: BSP - Parallel | Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
250	6	G 1/8"	43	28,0	8	17	17	14
250	8	G 1/4"	45	30,0	12	19	19	17
250	10	G 1/4"	53	38,5	12	22	24	19
250	12	G 3/8"	57	42,5	12	27	30	22
250	15	G 1/2"	61	45,5	14	27	30	27
160	18	G 1/2"	66	50,0	14	36	36	32
160	22	G 3/4"	71	55,0	16	41	46	36
100	28	G 1"	80	63,0	18	50	55	41
100	35	G 1 1/4"	91	69,0	20	60	60	50
100	42	G 1 1/2"	104	71,5	22	65	70	60

Series S

Pressure PB	Tube O.D. D1	Thread G	Approx. Dimensions					
			L1	L2	i	SW1	SW2	SW3
630	6	G 1/4"	46	31,5	12	19	19	17
630	8	G 1/4"	46	31,5	12	19	22	19
630	10	G 3/8"	54	38,0	12	24	27	22
630	12	G 3/8"	57	41,0	12	27	30	24
630	14	G 1/2"	62	44,5	14	27	32	27
400	16	G 1/2"	66	48,0	14	32	36	30
400	20	G 3/4"	74	52,0	16	41	46	36
400	25	G 1"	79	54,5	18	46	50	46
250	30	G 1 1/4"	91	64,0	20	55	60	50
250	38	G 1 1/2"	100	69,5	22	65	70	60

NON-RETURN VALVES

Thread G: BSP - Parallel | On the one hand for DIN EN ISO 8434-1 Cutting Ring

Screwed Plug with Captive Seal - Viton | Flow from Screwed Plug



Series L

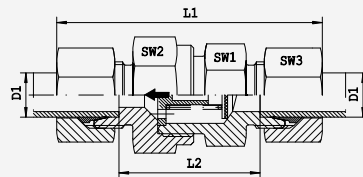
Pressure PB	Tube O.D. D1	Thread G
250	6	G 1/8"
250	8	G 1/4"
250	10	G 1/4"
250	12	G 3/8"
250	15	G 1/2"
160	18	G 1/2"
160	22	G 3/4"
100	28	G 1"
100	35	G 1 1/4"
100	42	G 1 1/2"

Series S

Pressure PB	Tube O.D. D1	Thread G
630	6	G 1/4"
630	8	G 1/4"
630	10	G 3/8"
630	12	G 3/8"
630	14	G 1/2"
400	16	G 1/2"
400	20	G 3/4"
400	25	G 1"
250	30	G 1 1/4"
250	38	G 1 1/2"

NON-RETURN VALVES

Tube Cutting Ring Connection at both Ends



Series L

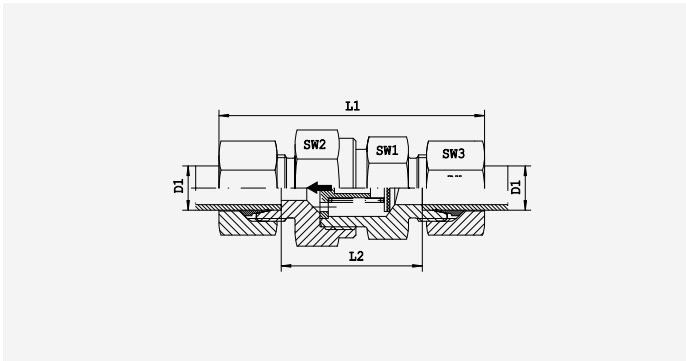
Pressure PB	Tube O.D. D1	Approx. Dimensions				
		L1	L2	SW1	SW2	SW3
250	6	58	29,0	17	17	14
250	8	59	30,0	19	19	17
250	10	70	40,5	22	24	19
250	12	73	43,5	27	30	22
250	15	78	47,5	27	30	27
160	18	84	51,5	36	36	32
160	22	94	61,5	41	46	36
100	28	103	69,5	50	55	41
100	35	118	74,5	60	60	50
100	42	122	74,0	65	70	60

Series S

Pressure PB	Tube O.D. D1	Approx. Dimensions				
		L1	L2	SW1	SW2	SW3
630	6	64	34,5	19	19	17
630	8	64	34,5	19	22	19
630	10	73	40,5	24	27	22
630	12	75	42,5	27	30	24
630	14	83	47,5	27	32	27
400	16	87	50,5	32	36	30
400	20	98	54,5	41	46	36
400	25	107	58,5	46	50	46
250	30	123	69,5	55	60	50
250	38	140	75,5	65	70	60

NON-RETURN VALVES - SILVER COATED

Tube Cutting Ring Connection at both Ends



Series L

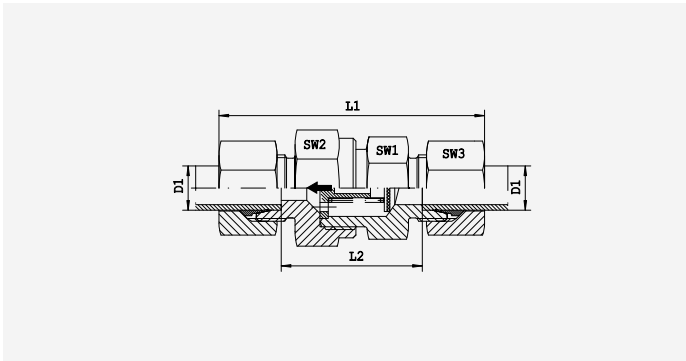
Pressure PB	Tube O.D. D1	Approx. Dimensions				
		L1	L2	SW1	SW2	SW3
250	6	58	29,0	17	17	14
250	8	59	30,0	19	19	17
250	10	70	40,5	22	24	19
250	12	73	43,5	27	30	22
250	15	78	47,5	27	30	27
160	18	84	51,5	36	36	32
160	22	94	61,5	41	46	36
100	28	103	69,5	50	55	41
100	35	118	74,5	60	60	50
100	42	122	74,0	65	70	60

Series S

Pressure PB	Tube O.D. D1	Approx. Dimensions				
		L1	L2	SW1	SW2	SW3
630	6	64	34,5	19	19	17
630	8	64	34,5	19	22	19
630	10	73	40,5	24	27	22
630	12	75	42,5	27	30	24
630	14	83	47,5	27	32	27
400	16	87	50,5	32	36	30
400	20	98	54,5	41	46	36
400	25	107	58,5	46	50	46
250	30	123	69,5	55	60	50
250	38	140	75,5	65	70	60

NON-RETURN VALVES

Tube Cutting Ring Connection at both Ends



Series L

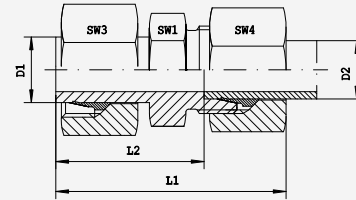
Pressure	Tube O.D.
PB	D1
250	6
250	8
250	10
250	12
250	15
160	18
160	22
100	28
100	35
100	42

Series S

Pressure	Tube O.D.
PB	D1
630	6
630	8
630	10
630	12
630	14
400	16
400	20
400	25
250	30
250	38

TUBE END REDUCERS

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



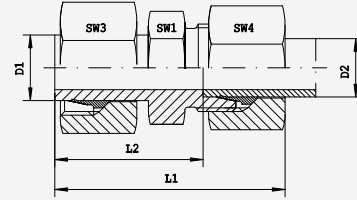
Series S

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
400	16	8	39,0	39,0	17	30	19
400	16	10	38,5	38,5	19	30	22
400	16	12	38,5	38,5	22	30	24
400	16	14	40,0	40,0	22	30	27
400	16	6	39,0	39,0	17	30	17
400	20	8	43,5	43,5	22	36	19
630	12	10	34,5	34,5	19	24	22
400	20	6	43,5	43,5	22	36	17
630	14	12	34,5	34,5	22	27	24
630	14	10	34,5	34,5	19	27	22
630	14	6	35,0	35,0	17	27	17
400	20	16	44,5	44,5	24	36	30
630	12	8	35,0	35,0	17	24	19
630	12	6	35,0	35,0	14	24	17
630	10	8	33,0	33,0	17	22	19
630	10	6	33,0	33,0	14	22	17
630	8	6	32,0	32,0	14	19	17
630	14	8	35,0	35,0	17	27	19
400	30	14	53,0	53,0	32	50	27
250	38	30	60,5	60,5	46	60	50
250	38	25	60,0	60,0	41	60	46
250	38	20	57,5	57,5	41	60	36
250	38	16	55,5	55,5	41	60	30
250	38	14	56,0	56,0	41	60	27
250	38	12	54,5	54,5	41	60	24
250	38	10	54,5	54,5	41	60	22
250	38	8	55,0	55,0	41	60	19
250	38	6	55,0	55,0	41	60	17
400	30	25	57,5	57,5	36	50	46
400	20	10	43,0	43,0	22	36	22
400	30	16	54,5	54,5	32	50	30
400	20	12	43,0	43,0	22	36	24
400	30	12	53,5	53,5	32	50	24
400	30	10	53,5	53,5	32	50	22
400	30	8	54,0	54,0	32	50	19
400	30	6	54,0	54,0	32	50	17
400	25	20	48,5	48,5	30	46	36

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
400	25	16	67,0	48,5	27	46	30
400	25	14	64,0	46,0	27	46	27
400	25	12	63,0	46,5	27	46	24
400	25	10	61,0	44,5	27	46	22
400	25	8	59,0	44,0	27	46	19
400	20	14	60,5	42,5	22	36	27
400	30	20	76,0	54,5	32	50	36
400	25	6	59,0	44,0	27	46	17

TUBE END REDUCERS - SILVER COATED

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series S

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
400	16	8	54,0	39,0	17	30	19
400	25	6	59,0	44,0	27	46	17
400	20	16	63,0	44,5	24	36	30
400	20	14	60,5	42,5	22	36	27
400	20	12	59,5	43,0	22	36	24
400	20	10	59,5	43,0	22	36	22
400	20	8	58,5	43,5	22	36	19
400	20	6	58,5	43,5	22	36	17
400	16	14	58,0	40,0	22	30	27
630	10	6	48,0	33,0	14	22	17
400	16	10	55,0	38,5	19	30	22
400	25	12	63,0	46,5	27	46	24
400	16	6	54,0	39,0	17	30	17
630	14	12	51,0	34,5	22	27	24
630	14	10	51,0	34,5	19	27	22
630	14	8	50,0	35,0	17	27	19
630	14	6	50,0	35,0	17	27	17
630	12	10	51,0	34,5	19	24	22
630	12	8	50,0	35,0	17	24	19
630	12	6	50,0	35,0	14	24	17
400	16	12	55,0	38,5	22	30	24
400	30	16	73,0	54,5	32	50	30
250	38	30	87,0	60,5	46	60	50
250	38	25	84,0	60,0	41	60	46
250	38	20	79,0	57,5	41	60	36
250	38	16	74,0	55,5	41	60	30
250	38	14	74,0	56,0	41	60	27
250	38	12	71,0	54,5	41	60	24
250	38	10	71,0	54,5	41	60	22
250	38	8	70,0	55,0	41	60	19
250	38	6	70,0	55,0	41	60	17
400	25	8	59,0	44,0	27	46	19
400	30	20	76,0	54,5	32	50	36
400	25	10	61,0	44,5	27	46	22
400	30	14	71,0	53,0	32	50	27
400	30	12	70,0	53,5	32	50	24
400	30	10	70,0	53,5	32	50	22

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
400	30	8	69,0	54,0	32	50	19
400	30	6	69,0	54,0	32	50	17
400	25	20	70,0	48,5	30	46	36
400	25	16	67,0	48,5	27	46	30
400	25	14	64,0	46,0	27	46	27
630	8	6	47,0	32,0	14	19	17
400	30	25	81,5	57,5	36	50	46
630	10	8	48,0	33,0	17	22	19

TUBE END REDUCERS - SILVER COATED

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

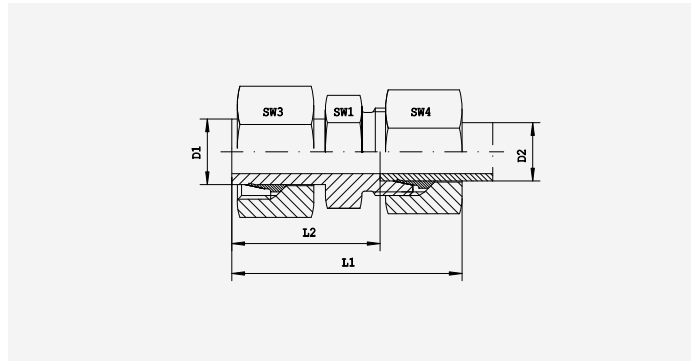


Series S

Pressure	Tube O.D.		Pressure	Tube O.D.	
PN	D1	D2	PN	D1	D2
630	8	6	250	38	8
630	10	6	250	38	10
630	10	8	250	38	12
630	12	6	250	38	14
630	12	8	250	38	16
630	12	10	250	38	20
630	14	6	250	38	25
630	14	8	250	38	30
630	14	10			
630	14	12			
400	16	6			
400	16	8			
400	16	10			
400	16	12			
400	16	14			
400	20	6			
400	20	8			
400	20	10			
400	20	12			
400	20	14			
400	20	16			
400	25	6			
400	25	8			
400	25	10			
400	25	12			
400	25	14			
400	25	16			
400	25	20			
400	30	6			
400	30	8			
400	30	10			
400	30	12			
400	30	14			
400	30	16			
400	30	20			
400	30	25			
250	38	6			

TUBE END REDUCERS

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series LL

Pressure	Tube O.D.		Approx. Dimensions				
PN	D1	D2	L1	L2	SW1	SW3	SW4
100	6	4	35,0	23,0	10	12	10

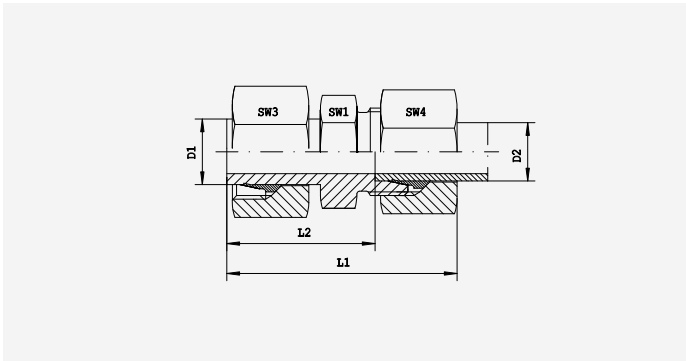
Series L

Pressure	Tube O.D.		Approx. Dimensions				
PN	D1	D2	L1	L2	SW1	SW3	SW4
315	8	6	43,5	25,5	12	17	14
315	10	6	44,0	29,0	12	19	14
315	10	8	44,0	29,0	14	19	17
315	12	6	44,0	29,0	14	22	14
315	12	8	44,0	29,0	14	22	17
315	12	10	45,0	30,0	17	22	19
315	15	6	45,5	30,5	17	27	14
315	15	8	45,5	30,5	17	27	17
315	15	10	46,5	31,5	17	27	19
315	15	12	46,5	31,5	19	27	22
315	18	6	47,5	32,5	19	32	14
315	18	8	47,5	32,5	19	32	17
315	18	10	48,0	33,0	19	32	19
315	18	12	48,0	33,0	19	32	22
315	18	15	49,0	34,0	22	32	27
160	22	6	50,0	35,0	24	36	14
160	22	8	50,0	35,0	24	36	17
160	22	10	51,0	36,0	24	36	19
160	22	12	51,0	36,0	24	36	22
160	22	15	52,0	37,0	24	36	27
160	22	18	53,0	36,5	27	36	32
160	28	6	50,0	35,0	30	41	14
160	28	8	50,0	35,0	30	41	17
160	28	10	51,0	36,0	30	41	19
160	28	12	51,0	36,0	30	41	22
160	28	15	52,0	37,0	30	41	27
160	28	18	54,0	37,5	30	41	32
160	28	22	55,5	39,0	30	41	36
160	35	6	58,0	43,0	36	50	14
160	35	8	58,0	43,0	36	50	17

Pressure	Tube O.D.		Approx. Dimensions				
PN	D1	D2	L1	L2	SW1	SW3	SW4
160	35	10	59,0	44,0	36	50	19
160	35	12	59,0	44,0	36	50	22
160	35	15	60,0	45,0	36	50	27
160	35	18	61,0	44,5	36	50	32
160	35	22	63,0	46,5	36	50	36
160	35	28	63,0	46,5	41	50	41
160	42	6	59,0	44,0	36	60	14
160	42	8	59,0	44,0	46	60	17
160	42	10	60,0	45,0	46	60	19
160	42	12	60,0	45,0	46	60	22
160	42	15	61,0	46,0	46	60	27
160	42	18	59,0	44,0	46	60	32

TUBE END REDUCERS

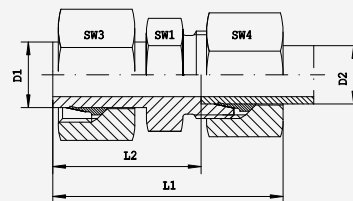
Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



160	42	22	63,0	46,5	46	60	36
160	42	28	64,0	47,5	46	60	41
160	42	35	69,0	47,5	46	60	50

TUBE END REDUCERS - SILVER COATED

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



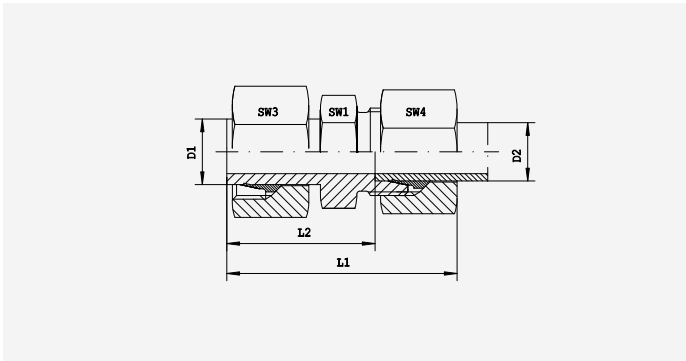
Series S

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
315	8	6	43,5	25,5	12	17	14
315	10	6	44,0	29,0	12	19	14
315	10	8	44,0	29,0	14	19	17
315	12	6	44,0	29,0	14	22	14
315	12	8	44,0	29,0	14	22	17
315	12	10	45,0	30,0	17	22	19
315	15	6	45,5	30,5	17	27	14
315	15	8	45,5	30,5	17	27	17
315	15	10	46,5	31,5	17	27	19
315	15	12	46,5	31,5	19	27	22
315	18	6	47,5	32,5	19	32	14
315	18	8	47,5	32,5	19	32	17
315	18	10	48,0	33,0	19	32	19
315	18	12	48,0	33,0	19	32	22
315	18	15	49,0	34,0	22	32	27
160	22	6	50,0	35,0	24	36	14
160	22	8	50,0	35,0	24	36	17
160	22	10	51,0	36,0	24	36	19
160	22	12	51,0	36,0	24	36	22
160	22	15	52,0	37,0	24	36	27
160	22	18	53,0	36,5	27	36	32
160	28	6	50,0	35,0	30	41	14
160	28	8	50,0	35,0	30	41	17
160	28	10	51,0	36,0	30	41	19
160	28	12	51,0	36,0	30	41	22
160	28	15	52,0	37,0	30	41	27
160	28	18	54,0	37,5	30	41	32
160	28	22	55,5	39,0	30	41	36
160	35	6	58,0	43,0	36	50	14
160	35	8	58,0	43,0	36	50	17
160	35	10	59,0	44,0	36	50	19
160	35	12	59,0	44,0	36	50	22
160	35	15	60,0	45,0	36	50	27
160	35	18	61,0	44,5	36	50	32
160	35	22	63,0	46,5	36	50	36
160	35	28	63,0	46,5	41	50	41
160	42	6	59,0	44,0	36	60	14

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
160	42	8	59,0	44,0	46	60	17
160	42	10	60,0	45,0	46	60	19
160	42	12	60,0	45,0	46	60	22
160	42	15	61,0	46,0	46	60	27
160	42	18	59,0	44,0	46	60	32
160	42	22	63,0	46,5	46	60	36
160	42	28	64,0	47,5	46	60	41
160	42	35	69,0	47,5	46	60	50

TUBE END REDUCERS

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series LL

Pressure PN	Tube O.D.	
	D1	D2
100	6	4

Series L

Pressure PN	Tube O.D.		Pressure PN	Tube O.D.	
	D1	D2		D1	D2
315	8	6	160	35	10
315	10	6	160	35	12
315	10	8	160	35	15
315	12	6	160	35	18
315	12	8	160	35	22
315	12	10	160	35	28
315	15	6	160	42	6
315	15	8	160	42	8
315	15	10	160	42	10
315	15	12	160	42	12
315	18	6	160	42	15
315	18	8	160	42	18
315	18	10			
315	18	12			
315	18	15			
160	22	6			
160	22	8			
160	22	10			
160	22	12			
160	22	15			
160	22	18			
160	28	6			
160	28	8			
160	28	10			
160	28	12			
160	28	15			
160	28	18			
160	28	22			
160	35	6			
160	35	8			

TUBE END REDUCERS

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

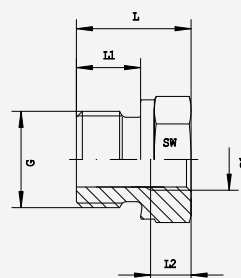


160	42	22
160	42	28
160	42	35

MALE / FEMALE STUD ADAPTORS

Form A

Both Threads: BSP - Parallel - DIN / ISO 228 | Sealing by Sealing Shoulder Form B

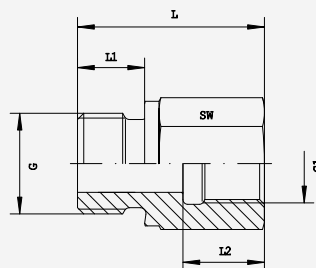


Pressure PN	Male Thread G	Female Thread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
400	G 3/8"	G 1/8"	22,5	12,0	8,0	22	A
400	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A
400	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A
250	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A
250	G 1 1/4"	G 1/2"	32,0	20,0	14,0	50	A
250	G 1 1/4"	G 3/8"	32,0	20,0	17,0	50	A
250	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A
250	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A
250	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A
250	G 2"	G 1"	42,0	22,5	18,5	70	A
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A
250	G 2"	G 1/2"	41,5	22,5	16,0	70	A

MALE / FEMALE STUD ADAPTORS

Form B

Both Threads: BSP - Parallel - DIN / ISO 228 | Sealing by Sealing Shoulder Form B

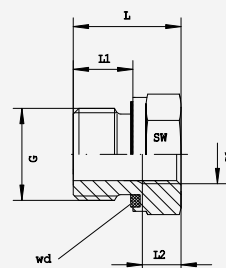


Pressure PN	Male Thread G	Female Thread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B
400	G 3/8"	G 1"	46,5	12,0	24,5	41	B
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B
400	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B
400	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B
250	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B
400	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B
250	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B
250	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B
250	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B
250	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B
250	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B
250	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B
250	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B

MALE / FEMALE STUD ADAPTORS

Form A

Both Threads: BSP - Parallel - DIN / ISO 228 | wd = Sealing by an Elastomer Profiled Ring - Viton

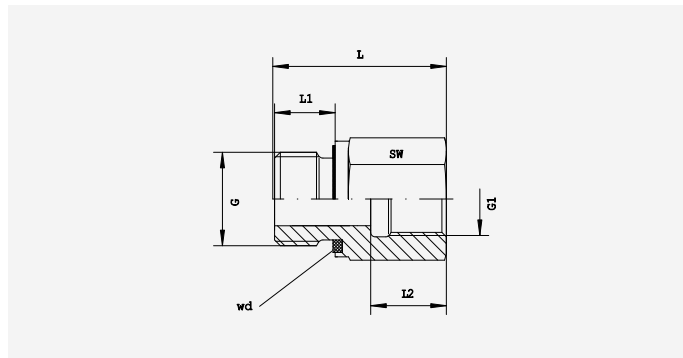


Pressure PN	Male Thread	Female Thread	Approx. Dimensions				Form
	G	G1	L	L1	L2	SW	
630	G 3/8"	G 1/8"	22,5	12,0	8,0	22	A
630	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A
630	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A
400	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A
400	G 1 1/4"	G 1/2"	32,0	20,0	14,0	60	A
400	G 1 1/4"	G 3/8"	32,0	20,0	17,0	50	A
315	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A
315	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A
315	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A
250	G 2"	G 1"	42,0	22,5	18,5	70	A
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A
250	G 2"	G 1/2"	41,5	22,5	16,0	70	A

MALE / FEMALE STUD ADAPTORS

Form B

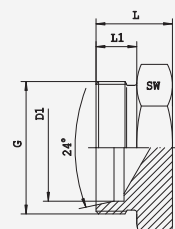
Both Threads: BSP - Parallel - DIN / ISO 228 | wd = Sealing by an Elastomer Profiled Ring - Viton



Pressure PN	Male Thread G	Female Thread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B
400	G 1/4"	G 1"	46,0	12,0	24,5	41	B
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B
400	G 3/8"	G 1"	46,5	12,0	24,5	41	B
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B
630	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B
630	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B
400	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B
630	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B
315	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B
400	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B
315	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B
400	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B
315	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B
400	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B
315	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B

XROV - BLANKING PLUGS

With 24°-Cone for Tube Ends | Type of Port End W DIN 3861



Series L

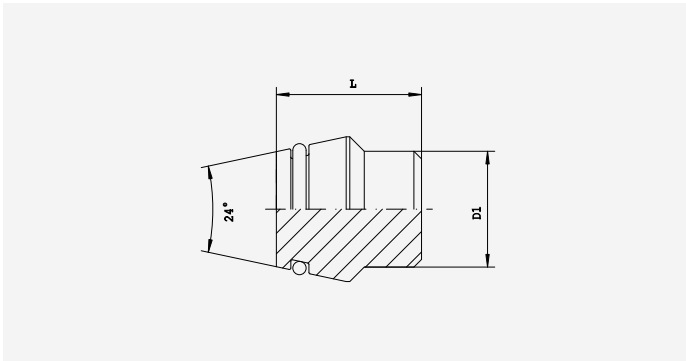
Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions		
			L	L1	SW
500	6	M 12 x 1,5	14	10	12
500	8	M 14 x 1,5	15	10	14
500	10	M 16 x 1,5	16	11	17
400	12	M 18 x 1,5	17	11	19
400	15	M 22 x 1,5	18	12	24
400	18	M 26 x 1,5	19	12	27
250	22	M 30 x 2	21	14	32
250	28	M 36 x 2	22	14	41
250	35	M 45 x 2	25	16	46
250	42	M 52 x 2	27	16	55

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions		
			L	L1	SW
800	6	M 14 x 1,5	18	12	14
800	8	M 16 x 1,5	20	12	17
800	10	M 18 x 1,5	20	12	19
630	12	M 20 x 1,5	22	12	22
630	14	M 22 x 1,5	24	14	24
630	16	M 24 x 1,5	24	14	27
420	20	M 30 x 2	28	16	32
420	25	M 36 x 2	32	18	41
420	30	M 42 x 2	34	20	46
420	38	M 52 x 2	39	22	55

VKA - COUPLING PLUGS

With O-ring - NBR | For Port End W DIN 3861



Series L

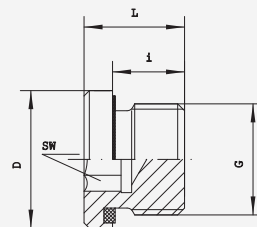
Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L
500	6	19,0
500	8	18,5
500	10	21,0
400	12	19,0
400	15	22,0
400	18	24,0
250	22	25,0
250	28	26,0
250	35	24,0
250	42	27,0

Series S

Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L
800	6	19,0
800	8	18,5
800	10	21,0
630	12	19,0
630	14	23,5
630	16	20,0
420	20	28,0
420	25	28,0
420	30	30,5
420	38	40,0

VST - SOCKET HEAD PORT PLUGS

With Internal Hex and Soft Seal - Viton - wd



Series M

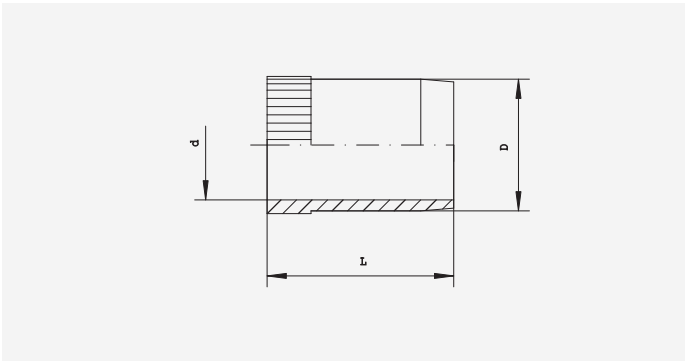
Pressure	Thread Metric - Parallel	Approx. Dimensions			
		D	L	i	SW
400	M 8 x 1	12	12,0	8	4
400	M 10 x 1	14	12,0	8	5
400	M 12 x 1,5	17	17,0	12	6
400	M 14 x 1,5	19	17,0	12	6
400	M 16 x 1,5	22	17,0	12	8
400	M 18 x 1,5	24	17,0	12	8
400	M 20 x 1,5	26	19,0	14	10
400	M 22 x 1,5	27	19,0	14	10
400	M 26 x 1,5	32	21,0	16	12
400	M 27 x 2	32	21,0	16	12
400	M 33 x 2	40	22,5	16	17
315	M 42 x 2	50	22,5	16	22
315	M 48 x 2	55	22,5	16	24

Series R

Pressure	Thread Metric - Parallel	Approx. Dimensions			
		D	L	i	SW
400	1/8"	14	12,0	8	5
400	1/4"	19	17,0	12	6
400	3/8"	22	17,0	12	8
400	1/2"	27	19,0	14	10
400	3/4"	32	21,0	16	12
400	1"	40	22,5	16	17
315	1 1/4"	50	22,5	16	22
315	1 1/2"	55	22,5	16	24
250	2"	70	34,0	24	32

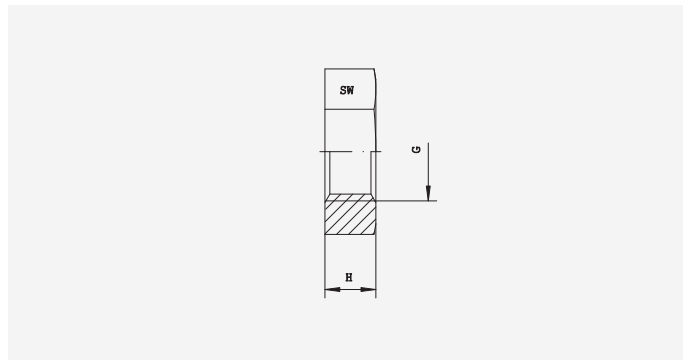
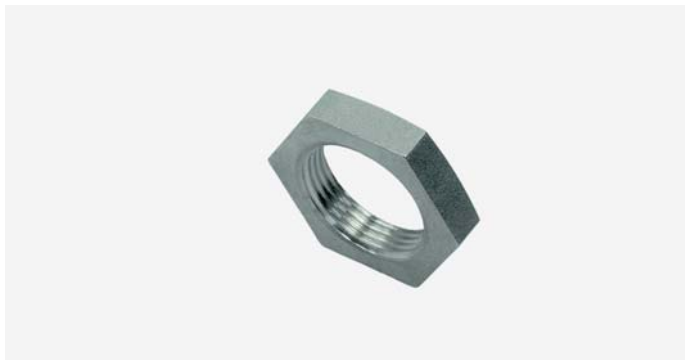
REINFORCING RINGS

For thin-walled Metal Tubes | Other sizes on request!



Tube Inside	Approx. Dimensions		
	D	d	L
4	3,8	2,5	17,0
5	4,8	3,5	17,0
6	5,8	4,5	14,0
7	6,8	5,5	17,0
8	7,8	6,5	15,5
9	8,8	7,5	17,0
10	9,8	8,5	15,5
11	10,8	9,5	17,0
12	11,8	10,5	17,0
13	12,8	11,5	17,0
14	13,8	12,0	17,0
15	14,8	13,0	18,0
16	15,8	14,0	18,0
17	16,8	15,0	20,0
18	17,8	16,0	20,0
19	18,8	17,0	20,0
20	19,8	18,0	20,0
21	20,8	19,0	21,5
22	21,8	20,0	24,0
23	22,8	21,0	24,0
24	23,8	22,0	23,5
25	24,8	23,0	23,5
26	25,8	24,0	23,5
30	29,8	27,8	26,5
31	30,8	28,0	26,5
32	31,8	29,5	26,5
33	32,8	30,0	26,5
38	37,8	35,0	26,5

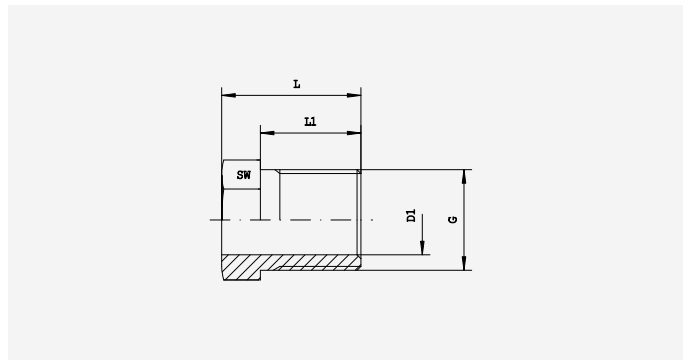
For Bulkhead Couplings



Thread	Approx. Dimensions	
	D	SW
M 12 x 1,5 = 06-L	6	17
M 14 x 1,5 = 08-L + 06-S	6	19
M 16 x 1,5 = 10-L + 08-S	6	22
M 18 x 1,5 = 12-L + 10-S	6	24
M 20 x 1,5 = 12-S	6	27
M 22 x 1,5 = 15-L + 14-S	7	30
M 24 x 1,5 = 18-S	7	32
M 26 x 1,5 = 18-L	8	36
M 30 x 2 = 22-L + 20-S	8	41
M 36 x 2 = 28-L + 25-S	9	46
M 42 x 2 = 30-S	9	50
M 45 x 2 = 35-L	9	55
M 52 x 2 = 42-L + 38-S	10	65

INTERNAL COUPLING NUTS

Thread: Metric - Parallel



Series LL

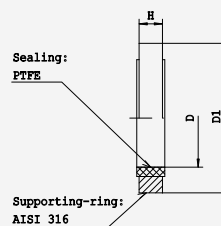
Pressure	Tube O.D.	Thread	Approx. Dimensions			DIN 3871
PN	D1 ± Tol.	G	L	L1	SW	
100	4	M 8 x 1	12	8,0	8	ALL 4
100	6	M 10 x 1	13	9,0	10	ALL 6
100	8	M 12 x 1	14	9,5	12	ALL 8

Series LL

Pressure	Tube O.D.	Thread	Approx. Dimensions			DIN 3871
PN	D1 ± Tol.	G	L	L1	SW	
250	6	M 12 x 1,5	16	11,5	12	AL 6
250	8	M 14 x 1,5	16	11,5	14	AL 8
250	10	M 16 x 1,5	17	11,5	17	AL 10
250	12	M 18 x 1,5	18	12,0	19	AL 12

PTFE - SEAL RINGS

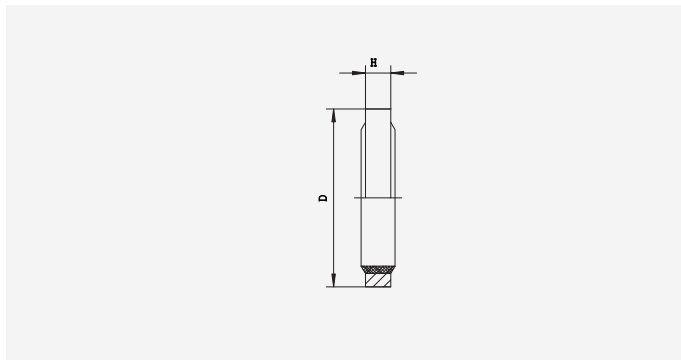
For Banjo Couplings WHV / THV | For wide Spot Faces of Ports



To use for:	Thread	Approx. Dimensions		
		D	D1	H
WHV / THV	G			
6 - LR KDR	G 1/8"	10,0	17,0	2,5
8 - LR / 6 - SR KDR	G 1/4"	13,5	22,0	3,0
10 - LR / 8 - SR KDR	G 1/4"	13,5	22,0	3,0
12 - LR / 10 - SR KDR	G 3/8"	17,1	27,0	3,0
12 - SR KDR	G 3/8"	17,1	27,0	3,0
15 - LR / 14 - SR KDR	G 1/2"	21,4	32,0	4,5
18 - LR / 16 - SR KDR	G 1/2"	21,4	32,0	4,5
22 - LR / 20 - SR KDR	G 3/4"	26,8	41,0	3,5
28 - LR / 25 - SR KDR	G 1"	33,5	46,0	3,5
35 - LR / 30 - SR KDR	G 1 1/4"	42,4	57,0	3,5
42 - LR / 38 - SR KDR	G 1 1/2"	48,4	64,0	3,5
6 - LM KDR	M 10 x 1	10,3	17,0	2,5
8 - LM / 6 - SM KDR	M 12 x 1,5	12,3	22,0	3,0
10 - LM / 8 - SM KDR	M 14 x 1,5	14,3	22,5	3,0
12 - LM / 10 - SM KDR	M 16 x 1,5	16,4	27,0	3,0
15 - LM / 12 - SM KDR	M 18 x 1,5	18,4	29,0	3,0
14 - SM KDR	M 20 x 1,5	20,4	32,0	3,0
18 - LM / 16 - SM KDR	M 22 x 1,5	22,4	32,0	4,5
22 - LM	M 26 x 1,5	26,4	41,0	3,5
20 - SM KDR	M 27 x 2	27,4	41,0	3,5
28 - LM / 25 - SM KDR	M 33 x 2	33,5	46,0	3,5
35 - LM / 30 - SM KDR	M 42 x 2	42,4	57,0	3,5
42 - LM / 38 - SM KDR	M 48 x 2	48,4	64,0	3,5

SOFT SEAL RINGS

For Port Threads or for wide and small Spot Faces of Ports | V = Viton | P = Perbunan



Series Viton

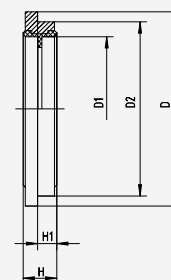
To use for:	Thread	Approx. Dimensions	
		D	H
M 10 x 1	G 1/8"	16,0	2,5
M 12 x 1,5	G 1/4"	18,0	3,0
		20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 18 x 1,5	G 1/2"	23,9	3,0
		30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 26 x 1,5	G 3/4"	35,0	3,5
		38,0	3,5
M 27 x 2	G 3/4"	38,0	3,5
	G 3/4"	38,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 33 x 2		42,0	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 48 x 2	G 1 1/2"	60,0	3,5
M 48 x 2	G 1 1/2"	60,0	3,5

Series Perbunan

To use for:	Thread	Approx. Dimensions	
		D	H
M 10 x 1	G 1/8"	16,0	2,5
M 12 x 1,5	G 1/4"	18,0	3,0
		20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 18 x 1,5	G 1/2"	23,9	3,0
		30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 26 x 1,5	G 3/4"	35,0	3,5
		38,0	3,5
M 27 x 2	G 3/4"	38,0	3,5
	G 3/4"	38,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 33 x 2		42,0	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 48 x 2	G 1 1/2"	60,0	3,5
M 48 x 2	G 1 1/2"	60,0	3,5

SOFT SEAL RINGS

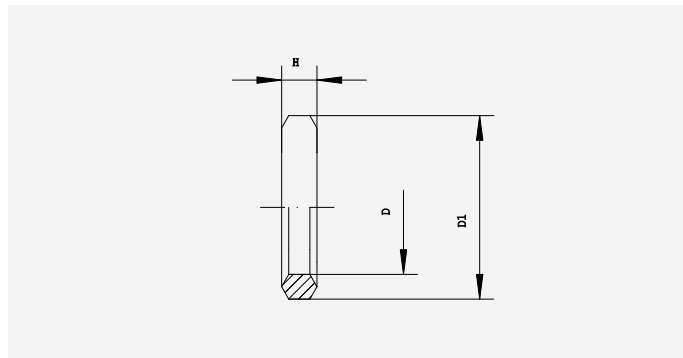
For Banjo Couplings WHV / THV | For wide and small Spot Faces of Ports | Viton - Seal



To use for: WHV / THV	Thread		Approx. Dimensions					
			D	D1	D2	H	H1	
6 - LM / LR	M 10 x 1	G 1/8"	16,0	10,3	14,9	2,5	1,1	
6 - SM / 8 - LM	M 12 x 1,5		18,0	12,3	17,0	3,0	1,6	
6 - SR		G 1/4"	20,0	14,3	18,9	3,0	1,6	
8 - LR / SR / SM	M 14 x 1,5	G 1/4"	20,0	14,3	18,9	3,0	1,6	
10 - LM / LR	M 14 x 1,5	G 1/4"	20,0	14,3	18,9	3,0	1,6	
10 - SR / SM	M 16 x 1,5	G 3/8"	24,0	17,0	21,9	3,0	2,1	
12 - LR / LM / SR	M 16 x 1,5	G 3/8"	24,0	17,0	21,9	3,0	2,1	
12 - SM / 15 - LM	M 18 x 1,5		23,9	18,3	23,9	3,0		
15 - LR / 14 - SR		G 1/2"	30,0	22,3	26,9	4,5	2,6	
16 - SR / 16 - SM	M 22 x 1,5	G 1/2"	30,0	22,3	26,9	4,5	2,6	
18 - LR / 18 - LM	M 22 x 1,5	G 1/2"	30,0	22,3	26,9	4,5	2,6	
22 - LM	M 26 x 1,5		35,0	26,3	31,9	3,5	2,6	
20 - SR / 20 - SM	M 27 x 2	G 3/4"	38,0	27,3	32,9	3,5	2,6	
22 - LR		G 3/4"	38,0	27,3	32,	3,5	2,6	
25 - SR / 25 - SM	M 33 x 2	G 1"	42,0	33,6	39,9	3,5	2,6	
28 - LR / 28 - LM	M 33 x 2	G 1"	42,0	33,6	39,9	3,5	2,6	
30 - SR / 30 - SM	M 42 x 2	G 1 1/4"	49,9	42,4	49,9	3,5		
35 - LR / 35 - LM	M 42 x 2	G 1 1/4"	49,9	42,4	49,9	3,5		
38 - SR / 38 - SM	M 48 x 2	G 1 1/2"	60,0	48,4	55,9	3,5	2,6	
42 - LR / 42 - LM	M 48 x 2	G 1 1/2"	60,0	48,4	55,9	3,5	2,6	

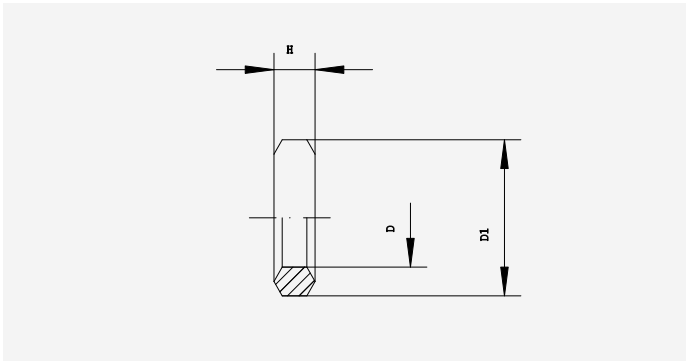
DKR - SEAL EDGERINGS

For Banjo Couplings WHV / THV | With External Thread



Thread	Approx. Dimensions		
	D	D1	H
G 1/8"	9,8	14	2,5
G 1/4"	13,3	18	3,0
G 3/8"	16,8	22	3,0
G 1/2"	21,1	26	4,5
G 3/4"	27,1	32	4,0
G 1"	33,4	39	4,0
G 1 1/4"	42,1	49	4,0
G 1 1/2"	48,1	55	4,0
M 10 x 1	10,0	14	2,5
M 12 x 1,5	12,1	17	3,0
M 14 x 1,5	14,1	19	3,0
M 16 x 1,5	16,1	21	3,0
M 18 x 1,5	18,1	23	3,0
M 20 x 1,5	20,1	25	3,0
M 22 x 1,5	22,1	27	3,0
M 26 x 1,5	26,1	31	3,0
M 27 x 2	27,1	32	4,0
M 33 x 2	33,1	39	4,0
M 42 x 2	42,1	49	4,0
M 48 x 2	48,1	55	4,0

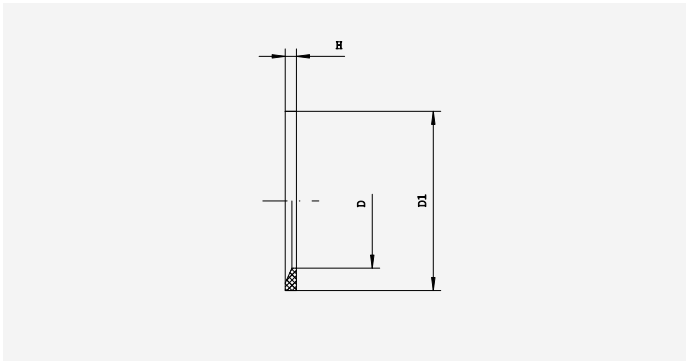
For Internal Thread



Thread	Approx. Dimensions		
	D	D1	H
G 1/4"	6	11,3	4,5
G 3/8"			
G 1/2"	12	18,5	5,0
M 18 x 1,5			
M 20 x 1,5	12	17,5	5,0

SOFT SEAL RINGS - WD

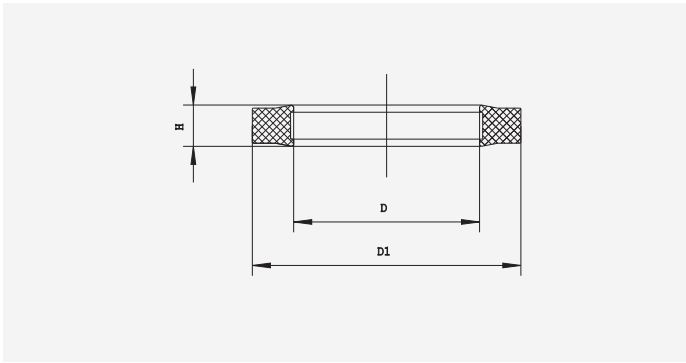
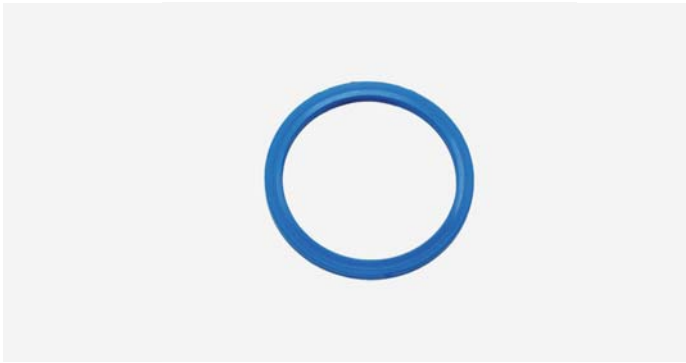
To DIN 3869 | FPM (Viton) | -20°C to +200°C



Thread		Approx. Dimensions		
		D	D1	H
M 8 x 1		6,5	9,9	1,0
M 10 x 1	R 1/8"	8,4	11,9	1,0
M 12 x 1,5		9,8	14,4	1,5
M 14 x 1,5	R 1/4"	11,6	16,5	1,5
M 16 x 1,5		13,8	18,9	1,5
	R 3/8"	14,7	18,9	1,5
M 18 x 1,5		15,7	20,9	1,5
M 20 x 1,5		17,8	22,9	1,5
	R 1/2"	18,5	23,9	1,5
M 22 x 1,5		19,6	24,3	1,5
M 26 x 1,5	R 3/4"	23,9	29,2	1,5
M 27 x 2	R 3/4"	23,9	29,2	1,5
M 33 x 2	R 1"	29,7	35,7	2,0
M 42 x 2	R 1 1/4"	38,8	45,8	2,0
M 48 x 2	R 1 1/2"	44,7	50,7	2,0

PROFILED FLANGE SEALINGS

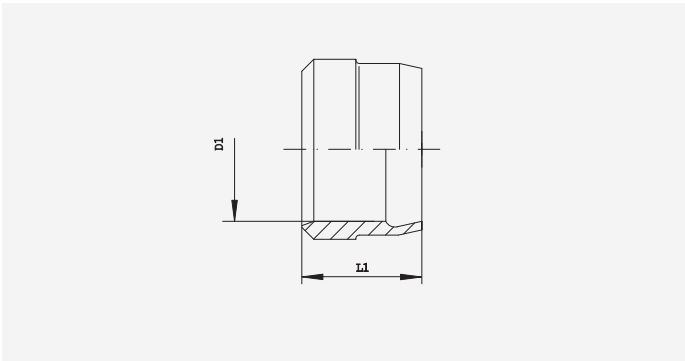
Made from Polyurethane | -40°C to +100°C | For Flange SAE J 518 / ISO 6162



To use for:	Flange Dimensions	Approx. Dimensions		
		D	D1	H
WHV / THV	3000 + 6000 P.S.I.			
420	1/2"	17,0	25,4	3,5
420	3/4"	23,4	31,8	3,5
420	1"	31,3	39,7	3,5
420	1 1/4"	36,1	44,5	3,5
420	1 1/2"	45,4	53,8	3,5
420	2"	55,0	63,4	3,5

DOUBLE-BITE CUTTING RINGS

Hardened (carbonized) | The Types LL are One-Bite Cutting Rings. | Excluding the ordinary discount!



Series LL

Tube O.D.	Approx. Dimensions	DIN 3861
D1	L1	
4	6,0	ALL 4
6	7,0	ALL 6
8	7,0	ALL 8

Series LL

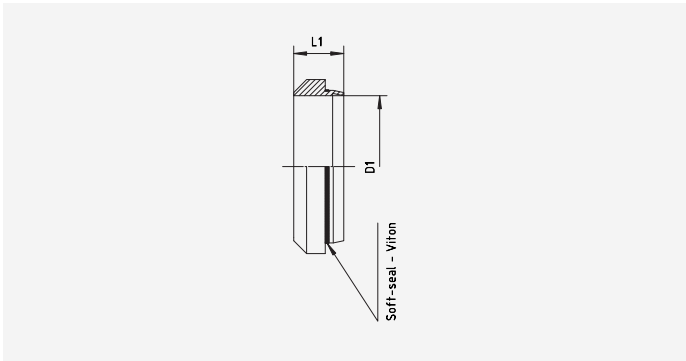
Tube O.D.	Approx. Dimensions	DIN 3861
D1	L1	
6	9,0	BL 6
8	9,0	BL 8
10	9,5	BL 10
12	10,0	BL 12
15	10,0	BL 15
18	10,0	BL 18
22	11,0	BL 22
28	11,0	BL 28
35	13,5	BL 35
42	13,5	BL 42

Series LL

Tube O.D.	Approx. Dimensions	DIN 3861
D1	L1	
6	9,0	BS 6
8	9,0	BS 8
10	9,5	BS 10
12	10,0	BS 12
14	9,5	BS 14
16	10,0	BS 16
20	11,5	BS 20
25	12,5	BS 25
30	12,5	BS 30
38	13,5	BS 38

ES4-DOUBLE-BITE CUTTING RINGS WITH SOFT-SEAL - VITON

Hardened | Excluding the ordinary discount!



Series L

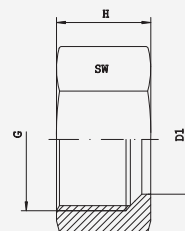
Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L1
315	6	8,8
315	8	8,8
315	10	9,8
315	12	9,8
315	15	10,2
315	18	10,2
160	22	11,5
160	28	11,5
160	35	13,5
160	42	13,5

Series S

Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L1
630	6	8,8
630	8	8,8
630	10	9,8
630	12	9,8
630	14	10,2
400	16	10,2
400	20	12,5
400	25	12,5
400	30	13,5
315	38	13,5

NUTS

DIN 3870 + DIN EN ISO 8434-1 | For Cutting Ring Connection



Series LL

Tube O.D.	Thread	Approx. Dimensions		DIN 3861	ISO 8434-1
D1	G	H	SW		
4	M 8 x 1	11,0	10	ALL 4	
6	M 10 x 1	12,0	12	ALL 6	
8	M 12 x 1	12,5	14	ALL 8	

Series L

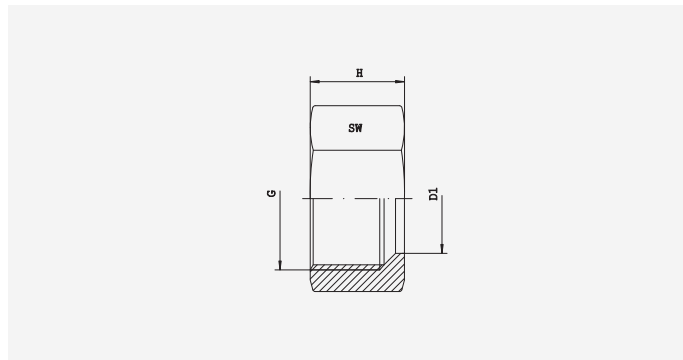
Tube O.D.	Thread	Approx. Dimensions		DIN 3861	ISO 8434-1
D1	G	H	SW		
6	M 12 x 1,5	14,5	14		N-L 6
8	M 14 x 1,5	14,5	17		N-L 8
10	M 16 x 1,5	15,5	19		N-L 10
12	M 18 x 1,5	15,5	22		N-L 12
15	M 22 x 1,5	17,0	27		N-L 15
18	M 26 x 1,5	18,0	32		N-L 18
22	M 30 x 2	20,0	36		N-L 22
28	M 36 x 2	21,0	41		N-L 28
35	M 45 x 2	24,0	50		N-L 35
42	M 52 x 2	24,0	60		N-L 42

Series S

Tube O.D.	Thread	Approx. Dimensions		DIN 3861	ISO 8434-1
D1	G	H	SW		
6	M 14 x 1,5	16,5	17		N-S 6
8	M 16 x 1,5	16,5	19		N-S 8
10	M 18 x 1,5	17,5	22		N-S 10
12	M 20 x 1,5	17,5	24		N-S 12
14	M 22 x 1,5	20,5	27		N-S 14
16	M 24 x 1,5	20,5	30		N-S 16
20	M 30 x 2	24,0	36		N-S 20
25	M 36 x 2	27,0	46		N-S 25
30	M 42 x 2	29,0	50		N-S 30
38	M 52 x 2	32,5	60		N-S 38

NUTS

DIN 3870 + DIN EN ISO 8434-1 | For Cutting Ring Connection



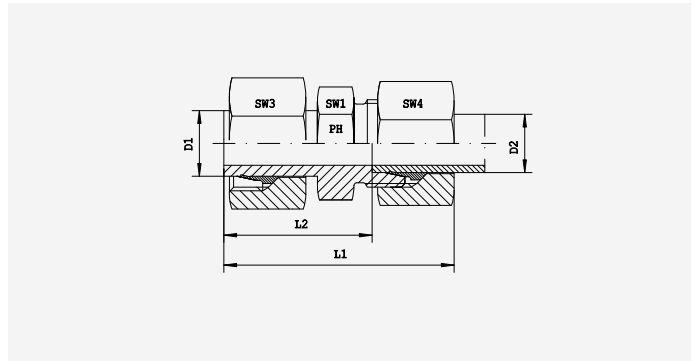
Series L

Tube O.D. D1	Thread G	Approx. Dimensions		ISO 8434-1
		H	SW	
6	M 12 x 1,5	14,5	14	N-L 6
8	M 14 x 1,5	14,5	17	N-L 8
10	M 16 x 1,5	15,5	19	N-L 10
12	M 18 x 1,5	15,5	22	N-L 12
15	M 22 x 1,5	17,0	27	N-L 15
18	M 26 x 1,5	18,0	32	N-L 18
22	M 30 x 2	20,0	36	N-L 22
28	M 36 x 2	21,0	41	N-L 28
35	M 45 x 2	24,0	50	N-L 35
42	M 52 x 2	24,0	60	N-L 42

Series S

Tube O.D. D1	Thread G	Approx. Dimensions		ISO 8434-1
		H	SW	
6	M 14 x 1,5	16,5	17	N-S 6
8	M 16 x 1,5	16,5	19	N-S 8
10	M 18 x 1,5	17,5	22	N-S 10
12	M 20 x 1,5	17,5	24	N-S 12
14	M 22 x 1,5	20,5	27	N-S 14
16	M 24 x 1,5	20,5	30	N-S 16
20	M 30 x 2	24,0	36	N-S 20
25	M 36 x 2	27,0	46	N-S 25
30	M 42 x 2	29,0	50	N-S 30
38	M 52 x 2	32,5	60	N-S 38

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

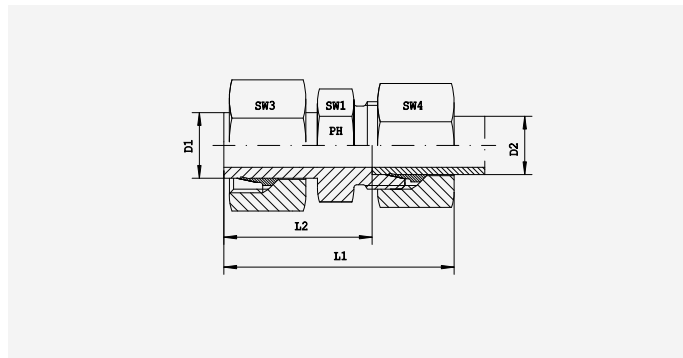


Series L

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
630	8	6	47,0	32,0	14	19	17
630	10	6	48,0	33,0	14	22	17
630	10	8	48,0	33,0	17	22	19
630	12	6	50,0	35,0	14	24	17
630	12	8	50,0	35,0	17	24	19
630	12	10	51,0	34,5	19	24	22
630	14	6	50,0	35,0	17	27	17
630	14	8	50,0	35,0	17	27	19
630	14	10	51,0	34,5	19	27	22
630	14	12	51,0	34,5	22	27	24
400	16	6	54,0	39,0	17	30	17
400	16	8	54,0	39,0	17	30	19
400	16	10	55,0	38,5	19	30	22
400	16	12	55,0	38,5	22	30	24
400	16	14	58,0	40,0	22	30	27
400	20	6	58,5	43,5	22	36	17
400	20	8	58,5	43,5	22	36	19
400	20	10	59,5	43,0	22	36	22
400	20	12	59,5	43,0	22	36	24
400	20	14	60,5	42,5	22	36	27
400	20	16	63,0	44,5	24	36	30
400	25	6	59,0	44,0	27	46	17
400	25	8	59,0	44,0	27	46	19
400	25	10	61,0	44,5	27	46	22
400	25	12	63,0	46,5	27	46	24
400	25	14	64,0	46,0	27	46	27
400	25	16	67,0	48,5	27	46	30
400	25	20	70,0	48,5	30	46	36
400	30	6	69,0	54,0	32	50	17
400	30	8	69,0	54,0	32	50	19
400	30	10	70,0	53,5	32	50	22
400	30	12	70,0	53,5	32	50	24
400	30	14	71,0	53,0	32	50	27
400	30	16	73,0	54,5	32	50	30
400	30	20	76,0	54,5	32	50	36
400	30	25	81,5	57,5	36	50	46

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
250	38	6	70,0	55,0	41	60	17
250	38	8	70,0	55,0	41	60	19
250	38	10	71,0	54,5	41	60	22
250	38	12	71,0	54,5	41	60	24
250	38	14	74,0	56,0	41	60	27
250	38	16	74,0	55,5	41	60	30
250	38	20	79,0	57,5	41	60	36
250	38	25	84,0	60,0	41	60	46
250	38	30	87,0	60,5	46	60	50

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series S

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
630	8	6	47,0	32,0	14	19	17
630	10	6	48,0	33,0	14	22	17
630	10	8	48,0	33,0	17	22	19
630	12	6	50,0	35,0	14	24	17
630	12	8	50,0	35,0	17	24	19
630	12	10	51,0	34,5	19	24	22
630	14	6	50,0	35,0	17	27	17
630	14	8	50,0	35,0	17	27	19
630	14	10	51,0	34,5	19	27	22
630	14	12	51,0	34,5	22	27	24
400	16	6	54,0	39,0	17	30	17
400	16	8	54,0	39,0	17	30	19
400	16	10	55,0	38,5	19	30	22
400	16	12	55,0	38,5	22	30	24
400	16	14	58,0	40,0	22	30	27
400	20	6	58,5	43,5	22	36	17
400	20	8	58,5	43,5	22	36	19
400	20	10	59,5	43,0	22	36	22
400	20	12	59,5	43,0	22	36	24
400	20	14	60,5	42,5	22	36	27
400	20	16	63,0	44,5	24	36	30
400	25	6	59,0	44,0	27	46	17
400	25	8	59,0	44,0	27	46	19
400	25	10	61,0	44,5	27	46	22
400	25	12	63,0	46,5	27	46	24
400	25	14	64,0	46,0	27	46	27
400	25	16	67,0	48,5	27	46	30
400	25	20	70,0	48,5	30	46	36
400	30	6	69,0	54,0	32	50	17
400	30	8	69,0	54,0	32	50	19
400	30	10	70,0	53,5	32	50	22
400	30	12	70,0	53,5	32	50	24
400	30	14	71,0	53,0	32	50	27
400	30	16	73,0	54,5	32	50	30
400	30	20	76,0	54,5	32	50	36
400	30	25	81,5	57,5	36	50	46

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
250	38	6	70,0	55,0	41	60	17
250	38	8	70,0	55,0	41	60	19
250	38	10	71,0	54,5	41	60	22
250	38	12	71,0	54,5	41	60	24
250	38	14	74,0	56,0	41	60	27
250	38	16	74,0	55,5	41	60	30
250	38	20	79,0	57,5	41	60	36
250	38	25	84,0	60,0	41	60	46
250	38	30	87,0	60,5	46	60	50

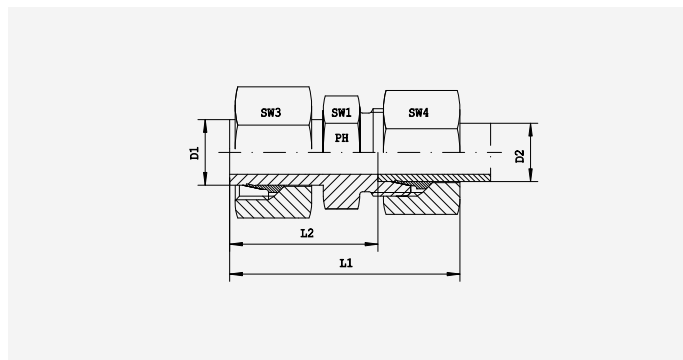
Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series S

Pressure	Tube O.D.		Pressure	Tube O.D.	
PN	D1	D2	PN	D1	D2
630	8	6	250	38	6
630	10	6	250	38	8
630	10	8	250	38	10
630	12	6	250	38	12
630	12	8	250	38	14
630	12	10	250	38	16
630	14	6	250	38	20
630	14	8	250	38	25
630	14	10	250	38	30
630	14	12			
400	16	6			
400	16	8			
400	16	10			
400	16	12			
400	16	14			
400	20	6			
400	20	8			
400	20	10			
400	20	12			
400	20	14			
400	20	16			
400	25	6			
400	25	8			
400	25	10			
400	25	12			
400	25	14			
400	25	16			
400	25	20			
400	30	6			
400	30	8			
400	30	10			
400	30	12			
400	30	14			
400	30	16			
400	30	20			
400	30	25			

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series LL

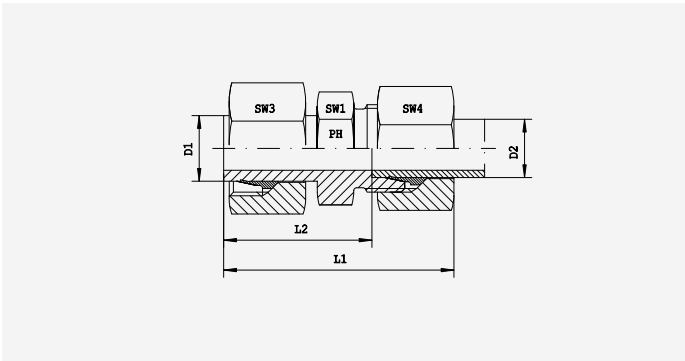
Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
100	6	4	35,0	23,0	10	12	10

Series L

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
315	8	6	43,5	25,5	12	17	14
315	10	6	44,0	29,0	12	19	14
315	10	8	44,0	29,0	14	19	17
315	12	6	44,0	29,0	14	22	14
315	12	8	44,0	29,0	14	22	17
315	12	10	45,0	30,0	17	22	19
315	15	6	45,5	30,5	17	27	14
315	15	8	45,5	30,5	17	27	17
315	15	10	46,5	31,5	17	27	19
315	15	12	46,5	31,5	19	27	22
315	18	6	47,5	32,5	19	32	14
315	18	8	47,5	32,5	19	32	17
315	18	10	48,0	33,0	19	32	19
315	18	12	48,0	33,0	19	32	22
315	18	15	49,0	34,0	22	32	27
160	22	6	50,0	35,0	24	36	14
160	22	8	50,0	35,0	24	36	17
160	22	10	51,0	36,0	24	36	19
160	22	12	51,0	36,0	24	36	22
160	22	15	52,0	37,0	24	36	27
160	22	18	53,0	36,5	27	36	32
160	28	6	50,0	35,0	30	41	14
160	28	8	50,0	35,0	30	41	17
160	28	10	51,0	36,0	30	41	19
160	28	12	51,0	36,0	30	41	22
160	28	15	52,0	37,0	30	41	27

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
160	28	18	54,0	37,5	30	41	32
160	28	22	55,5	39,0	30	41	36
160	35	6	58,0	43,0	36	50	14
160	35	8	58,0	43,0	36	50	17
160	35	10	59,0	44,0	36	50	19
160	35	12	59,0	44,0	36	50	22
160	35	15	60,0	45,0	36	50	27
160	35	18	61,0	44,5	36	50	32
160	35	22	63,0	46,5	36	50	36
160	35	28	63,0	46,5	41	50	41
160	42	6	59,0	44,0	36	60	14
160	42	8	59,0	44,0	46	60	17
160	42	10	60,0	45,0	46	60	19
160	42	12	60,0	45,0	46	60	22
160	42	15	61,0	46,0	46	60	27
160	42	18	59,0	44,0	46	60	32

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series LL

Pressure PN	Tube O.D.		Approx. Dimensions					
	D1	D2	L1	L2	SW1	SW3	SW4	
160	42	22	63,0	46,5	46	60	36	
160	42	28	64,0	47,5	46	60	41	
160	42	35	69,0	47,5	46	60	50	

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
315	8	6	43,5	25,5	12	17	14
315	10	6	44,0	29,0	12	19	14
315	10	8	44,0	29,0	14	19	17
315	12	6	44,0	29,0	14	22	14
315	12	8	44,0	29,0	14	22	17
315	12	10	45,0	30,0	17	22	19
315	15	6	45,5	30,5	17	27	14
315	15	8	45,5	30,5	17	27	17
315	15	10	46,5	31,5	17	27	19
315	15	12	46,5	31,5	19	27	22
315	18	6	47,5	32,5	19	32	14
315	18	8	47,5	32,5	19	32	17
315	18	10	48,0	33,0	19	32	19
315	18	12	48,0	33,0	19	32	22
315	18	15	49,0	34,0	22	32	27
160	22	6	50,0	35,0	24	36	14
160	22	8	50,0	35,0	24	36	17
160	22	10	51,0	36,0	24	36	19
160	22	12	51,0	36,0	24	36	22
160	22	15	52,0	37,0	24	36	27
160	22	18	53,0	36,5	27	36	32
160	28	6	50,0	35,0	30	41	14
160	28	8	50,0	35,0	30	41	17
160	28	10	51,0	36,0	30	41	19
160	28	12	51,0	36,0	30	41	22
160	28	15	52,0	37,0	30	41	27
160	28	18	54,0	37,5	30	41	32
160	28	22	55,5	39,0	30	41	36
160	35	6	58,0	43,0	36	50	14
160	35	8	58,0	43,0	36	50	17
160	35	10	59,0	44,0	36	50	19
160	35	12	59,0	44,0	36	50	22
160	35	15	60,0	45,0	36	50	27
160	35	18	61,0	44,5	36	50	32
160	35	22	63,0	46,5	36	50	36
160	35	28	63,0	46,5	41	50	41

Pressure PN	Tube O.D.		Approx. Dimensions				
	D1	D2	L1	L2	SW1	SW3	SW4
160	42	6	59,0	44,0	36	60	14
160	42	8	59,0	44,0	46	60	17
160	42	10	60,0	45,0	46	60	19
160	42	12	60,0	45,0	46	60	22
160	42	15	61,0	46,0	46	60	27
160	42	18	59,0	44,0	46	60	32
160	42	22	63,0	46,5	46	60	36
160	42	28	64,0	47,5	46	60	41
160	42	35	69,0	47,5	46	60	50

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series LL

Pressure PN	Tube O.D.	
	D1	D2
100	6	4

Series L

Pressure PN	Tube O.D.		Pressure PN	Tube O.D.	
	D1	D2		D1	D2
315	8	6	160	28	18
315	10	6	160	28	22
315	10	8	160	35	6
315	12	6	160	35	8
315	12	8	160	35	10
315	12	10	160	35	12
315	15	6	160	35	15
315	15	8	160	35	18
315	15	10	160	35	22
315	15	12	160	35	28
315	18	6	160	42	6
315	18	8	160	42	8
315	18	10	160	42	10
315	18	12	160	42	12
315	18	15	160	42	15
160	22	6	160	42	18
160	22	8			
160	22	10			
160	22	12			
160	22	15			
160	22	18			
160	28	6			
160	28	8			
160	28	10			
160	28	12			
160	28	15			

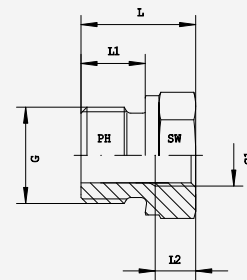
Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.



Series L

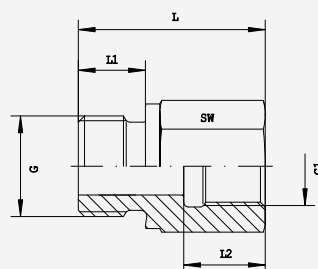
Pressure PN	Tube O.D.	
	D1	D2
160	42	22
160	42	28
160	42	35

Form A | Both Threads: BSP - Parallel - DIN / ISO 228 | Sealing by Sealing Shoulder Form B



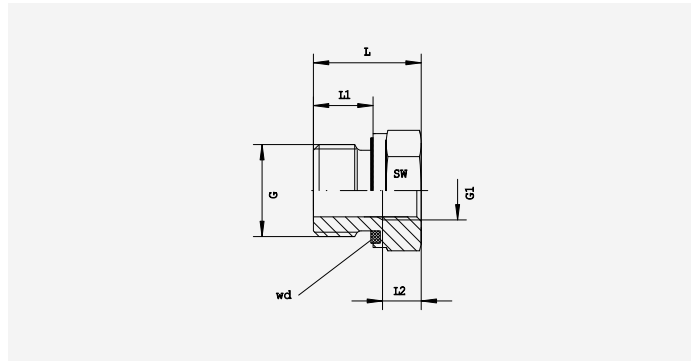
Pressure PN	Male Tread G	Female Tread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
400	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A
400	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A
250	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A
250	G 1 1/4"	G 1/2"	32,0	20,0	14,0	50	A
250	G 1 1/4"	G 3/8"	32,0	20,0	17,0	50	A
250	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A
250	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A
250	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A
250	G 2"	G 1"	42,0	22,5	18,5	70	A
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A
250	G 2"	G 1/2"	41,5	22,5	16,0	70	A

Form B | Both Threads: BSP - Parallel - DIN / ISO 228 | Sealing by Sealing Shoulder Form B



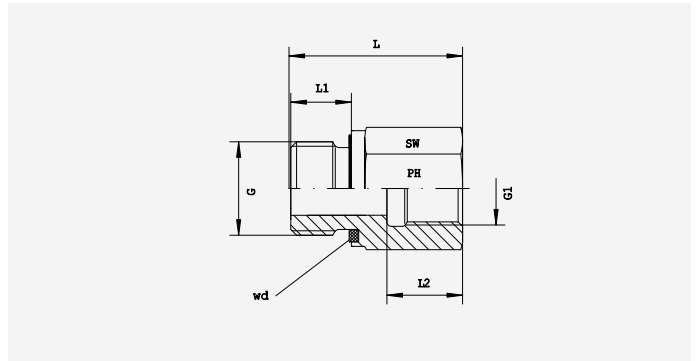
Pressure PN	Male Tread	Female Tread	Approx. Dimensions				Form
	G	G1	L	L1	L2	SW	
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B
400	G 3/8"	G 1"	46,5	12,0	24,5	41	B
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B
400	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B
400	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B
250	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B
400	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B
250	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B
250	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B
250	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B
250	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B
250	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B
250	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B
250	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B

Form A | Both Threads: BSP - Parallel - DIN / ISO 228 | wd = Sealing by an Elastomer Profiled Ring - Viton



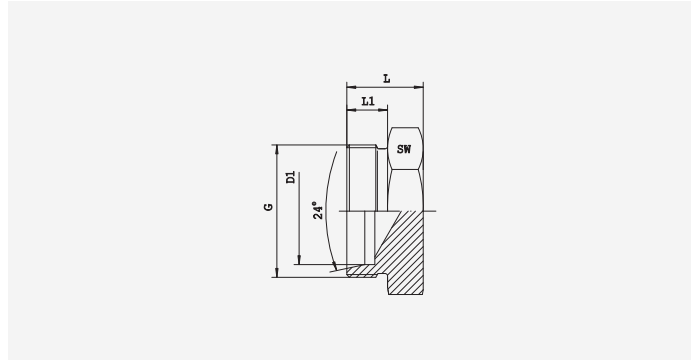
Pressure PN	Male Tread G	Female Tread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
630	G 3/8"	G 1/8"	22,5	12,0	8,0	22	A
630	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A
630	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A
400	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A
400	G 1 1/4"	G 1/2"	32,0	20,0	14,0	60	A
400	G 1 1/4"	G 3/8"	32,0	20,0	17,0	50	A
315	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A
315	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A
315	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A
250	G 2"	G 1"	42,0	22,5	18,5	70	A
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A
250	G 2"	G 1/2"	41,5	22,5	16,0	70	A

Form B | Both Threads: BSP - Parallel - DIN / ISO 228 | wd = Sealing by an Elastomer Profiled Ring - Viton



Pressure PN	Male Tread G	Female Tread G1	Approx. Dimensions				Form
			L	L1	L2	SW	
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B
400	G 1/4"	G 1"	46,0	12,0	24,5	41	B
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B
400	G 3/8"	G 1"	46,5	12,0	24,5	41	B
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B
630	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B
630	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B
400	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B
630	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B
315	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B
400	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B
315	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B
400	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B
315	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B
400	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B
315	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B

With 24°-Cone for Tube Ends | Type of Port End W DIN 3861



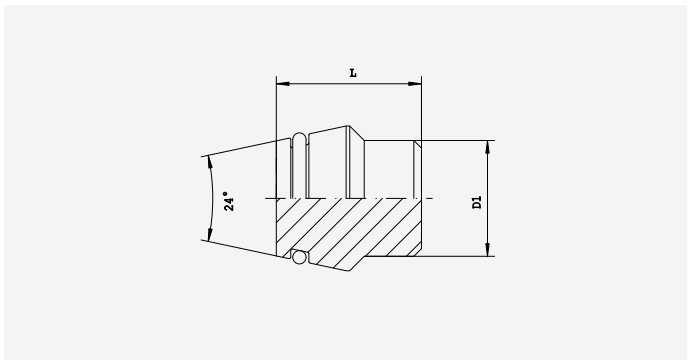
Series L

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions		
			L	L1	SW
500	6	M 12 x 1,5	14	10	12
500	8	M 14 x 1,5	15	10	14
500	10	M 16 x 1,5	16	11	17
400	12	M 18 x 1,5	17	11	19
400	15	M 22 x 1,5	18	12	24
400	18	M 26 x 1,5	19	12	27
250	22	M 30 x 2	21	14	32
250	28	M 36 x 2	22	14	41
250	35	M 45 x 2	25	16	46
250	42	M 52 x 2	27	16	55

Series S

Pressure PN	Tube O.D. D1	Thread G	Approx. Dimensions		
			L	L1	SW
800	6	M 14 x 1,5	18	12	14
800	8	M 16 x 1,5	20	12	17
800	10	M 18 x 1,5	20	12	19
630	12	M 20 x 1,5	22	12	22
630	14	M 22 x 1,5	24	14	24
630	16	M 24 x 1,5	24	14	27
420	20	M 30 x 2	28	16	32
420	25	M 36 x 2	32	18	41
420	30	M 42 x 2	34	20	46
420	38	M 52 x 2	39	22	55

With O-ring - NBR For Port End W DIN 3861



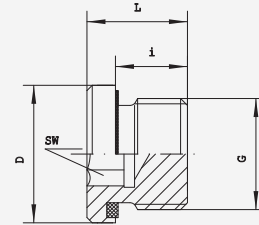
Series L

Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L
500	6	19,0
500	8	18,5
500	10	21,0
400	12	19,0
400	15	22,0
400	18	24,0
250	22	25,0
250	28	26,0
250	35	24,0
250	42	27,0

Series S

Pressure	Tube O.D.	Approx. Dimensions
PN	D1	L
800	6	19,0
800	8	18,5
800	10	21,0
630	12	19,0
630	14	23,5
630	16	20,0
420	20	28,0
420	25	28,0
420	30	30,5
420	38	40,0

With Internal Hex and Soft Seal - Viton - wd



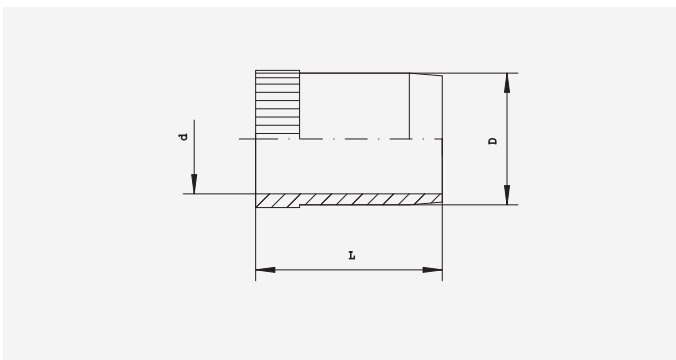
Series M

Pressure PN	Thread: Metric Parallel G	Approx. Dimensions			
		D	L	i	SW
400	M 8 x 1	12	12,0	8	4
400	M 10 x 1	14	12,0	8	5
400	M 12 x 1,5	17	17,0	12	6
400	M 14 x 1,5	19	17,0	12	6
400	M 16 x 1,5	22	17,0	12	8
400	M 18 x 1,5	24	17,0	12	8
400	M 20 x 1,5	26	19,0	14	10
400	M 22 x 1,5	27	19,0	14	10
400	M 26 x 1,5	32	21,0	16	12
400	M 27 x 2	32	21,0	16	12
400	M 33 x 2	40	22,5	16	17
315	M 42 x 2	50	22,5	16	22
315	M 48 x 2	55	22,5	16	24

Series R

Pressure PN	Thread: Metric Parallel G	Approx. Dimensions			
		D	L	i	SW
400	1/8"	14	12,0	8	5
400	1/4"	19	17,0	12	6
400	3/8"	22	17,0	12	8
400	1/2"	27	19,0	14	10
400	3/4"	32	21,0	16	12
400	1"	40	22,5	16	17
315	1 1/4"	50	22,5	16	22
315	1 1/2"	55	22,5	16	24
250	2"	70	34,0	24	32

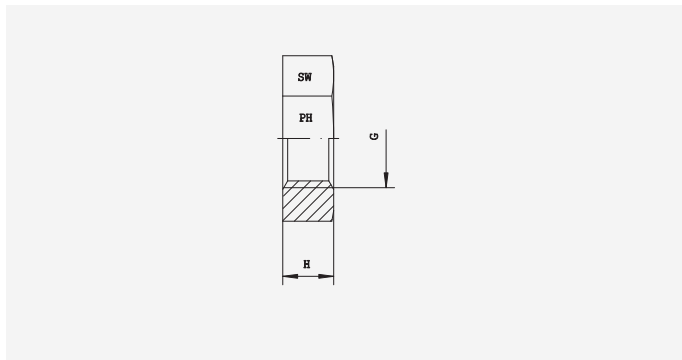
For thin-walled Metal Tubes | Other sizes on request!



Series L

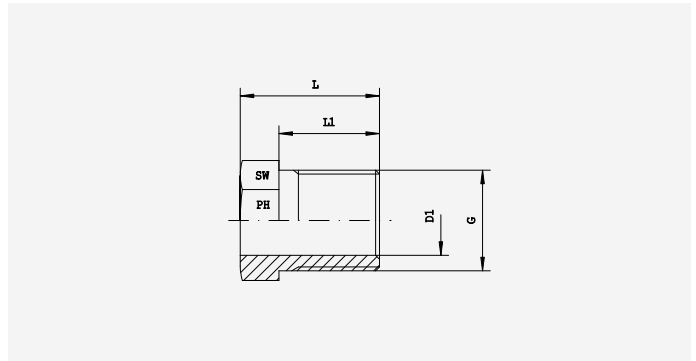
Tube Inside	Approx. Dimensions		
	D	d	L
4	3,8	2,5	17,0
5	4,8	3,5	17,0
6	5,8	4,5	14,0
7	6,8	5,5	17,0
8	7,8	6,5	15,5
9	8,8	7,5	17,0
10	9,8	8,5	15,5
11	10,8	9,5	17,0
12	11,8	10,5	17,0
13	12,8	11,5	17,0
14	13,8	12,0	17,0
15	14,8	13,0	18,0
16	15,8	14,0	18,0
17	16,8	15,0	20,0
18	17,8	16,0	20,0
19	18,8	17,0	20,0
20	19,8	18,0	20,0
21	20,8	19,0	21,5
22	21,8	20,0	24,0
23	22,8	21,0	24,0
24	23,8	22,0	23,5
25	24,8	23,0	23,5
26	25,8	24,0	23,5
30	29,8	27,8	26,5
31	30,8	28,0	26,5
32	31,8	29,5	26,5
33	32,8	30,0	26,5
38	37,8	35,0	26,5

For Bulkhead Couplings



Thread G	Approx. Dimensions	
	H	SW
M 12 x 1,5 = 06-L	6	17
M 14 x 1,5 = 08-L + 06-S	6	19
M 16 x 1,5 = 10-L + 08-S	6	22
M 18 x 1,5 = 12-L + 10-S	6	24
M 20 x 1,5 = 12-S	6	27
M 22 x 1,5 = 15-L + 14-S	7	30
M 24 x 1,5 = 18-S	7	32
M 26 x 1,5 = 18-L	8	36
M 30 x 2 = 22-L + 20-S	8	41
M 36 x 2 = 28-L + 25-S	9	46
M 42 x 2 = 30-S	9	50
M 45 x 2 = 35-L	9	55
M 52 x 2 = 42-L + 38-S	10	65

Thread: Metric - Parallel



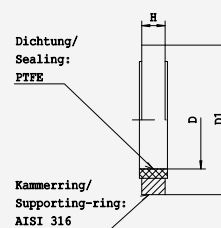
Series LL

Pressure PN	Tube O.D. D1 + Tol.	Thread G	Approx. Dimensions			DIN 3871
			L	L1	SW	
100	4	M 8 x 1	12	8,0	8	ALL 4
100	6	M 10 x 1	13	9,0	10	ALL 6
100	8	M 12 x 1	14	9,5	12	ALL 8

Series L

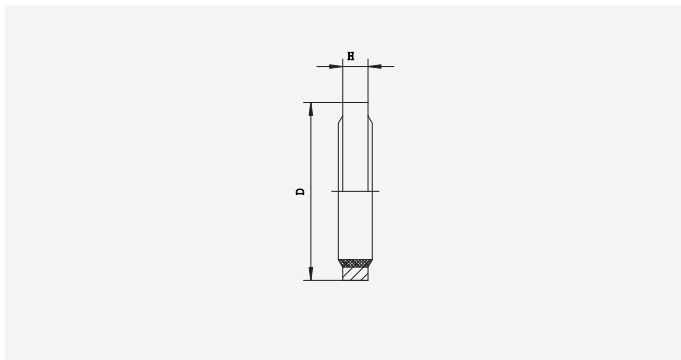
Pressure PN	Tube O.D. D1 + Tol.	Thread G	Approx. Dimensions			DIN 3871
			L	L1	SW	
250	6	M 12 x 1,5	16	11,5	12	AL 6
250	8	M 14 x 1,5	16	11,5	14	AL 8
250	10	M 16 x 1,5	17	11,5	17	AL 10
250	12	M 18 x 1,5	18	12,0	19	AL 12

For Banjo Couplings WHV / THV | For wide Spot Faces of Ports



To use for: WHV / THV	Thread	Approx. Dimensions		
		D	D1	H
6 - LR KDR	G 1/8"	10,0	17,0	2,5
8 - LR / 6 - SR KDR	G 1/4"	13,5	22,0	3,0
10 - LR / 8 - SR KDR	G 1/4"	13,5	22,0	3,0
12 - LR / 10 - SR KDR	G 3/8"	17,1	27,0	3,0
12 - SR KDR	G 3/8"	17,1	27,0	3,0
15 - LR / 14 - SR KDR	G 1/2"	21,4	32,0	4,5
18 - LR / 16 - SR KDR	G 1/2"	21,4	32,0	4,5
22 - LR / 20 - SR KDR	G 3/4"	26,8	41,0	3,5
28 - LR / 25 - SR KDR	G 1"	33,5	46,0	3,5
35 - LR / 30 - SR KDR	G 1 1/4"	42,4	57,0	3,5
42 - LR / 38 - SR KDR	G 1 1/2"	48,4	64,0	3,5
6 - LM KDR	M 10 x 1	10,3	17,0	2,5
8 - LM / 6 - SM KDR	M 12 x 1,5	12,3	22,0	3,0
10 - LM / 8 - SM KDR	M 14 x 1,5	14,3	22,5	3,0
12 - LM / 10 - SM KDR	M 16 x 1,5	16,4	27,0	3,0
15 - LM / 12 - SM KDR	M 18 x 1,5	18,4	29,0	3,0
14 - SM KDR	M 20 x 1,5	20,4	32,0	3,0
18 - LM / 16 - SM KDR	M 22 x 1,5	22,4	32,0	4,5
22 - LM	M 26 x 1,5	26,4	41,0	3,5
20 - SM KDR	M 27 x 2	27,4	41,0	3,5
28 - LM / 25 - SM KDR	M 33 x 2	33,5	46,0	3,5
35 - LM / 30 - SM KDR	M 42 x 2	42,4	57,0	3,5
42 - LM / 38 - SM KDR	M 48 x 2	48,4	64,0	3,5

For Port Threads or for wide and small Spot Faces of Ports | V = Viton | P = Perbunan



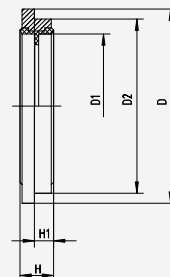
Series Viton

To use for:	Thread	Approx. Dimensions	
		D	H
M 10 x 1	G 1/8"	16,0	2,5
M 12 x 1,5		18,0	3,0
	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 18 x 1,5		23,9	3,0
	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 26 x 1,5		35,0	3,5
M 27 x 2	G 3/4"	38,0	3,5
	G 3/4"	38,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 48 x 2	G 1 1/2"	60,0	3,5
M 48 x 2	G 1 1/2"	60,0	3,5

Series Perbunan

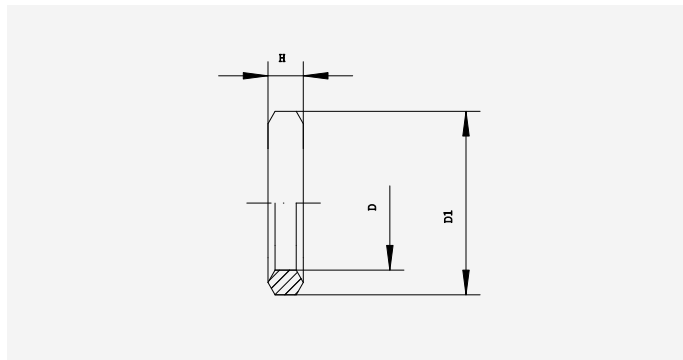
To use for: Thread	Thread	Approx. Dimensions	
		D	H
M 10 x 1	G 1/8"	16,0	2,5
M 12 x 1,5		18,0	3,0
	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 14 x 1,5	G 1/4"	20,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 16 x 1,5	G 3/8"	24,0	3,0
M 18 x 1,5		23,9	3,0
	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 22 x 1,5	G 1/2"	30,0	4,5
M 26 x 1,5		35,0	3,5
M 27 x 2	G 3/4"	38,0	3,5
	G 3/4"	38,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 33 x 2	G 1"	42,0	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 42 x 2	G 1 1/4"	49,9	3,5
M 48 x 2	G 1 1/2"	60,0	3,5
M 48 x 2	G 1 1/2"	60,0	3,5

For Banjo Couplings WHV / THV | For wide and small Spot Faces of Ports | Viton - Seal



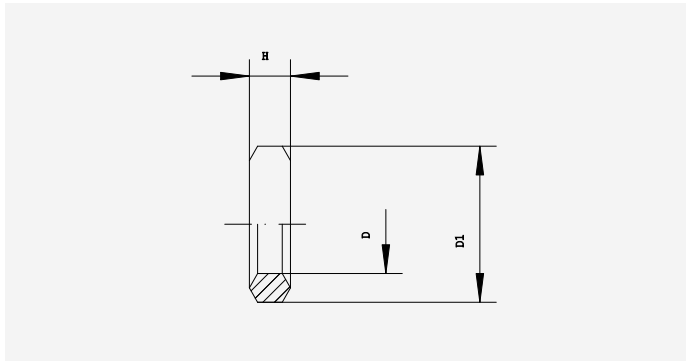
To use for: WHV / THV	Thread		Approx. Dimensions				
			D	D1	D2	H	H1
6 - LM / LR	M 10 x 1	G 1/8"	16,0	10,3	14,9	2,5	1,1
6 - SM / 8 - LM	M 12 x 1,5		18,0	12,3	17,0	3,0	1,6
6 - SR		G 1/4"	20,0	14,3	18,9	3,0	1,6
8 - LR / SR / SM	M 14 x 1,5	G 1/4"	20,0	14,3	18,9	3,0	1,6
10 - LM / LR	M 14 x 1,5	G 1/4"	20,0	14,3	18,9	3,0	1,6
10 - SR / SM	M 16 x 1,5	G 3/8"	24,0	17,0	21,9	3,0	2,1
12 - LR / LM / SR	M 16 x 1,5	G 3/8"	24,0	17,0	21,9	3,0	2,1
12 - SM / 15 - LM	M 18 x 1,5		23,9	18,3	23,9	3,0	
15 - LR / 14 - SR		G 1/2"	30,0	22,3	26,9	4,5	2,6
16 - SR / 16 - SM	M 22 x 1,5	G 1/2"	30,0	22,3	26,9	4,5	2,6
18 - LR / 18 - LM	M 22 x 1,5	G 1/2"	30,0	22,3	26,9	4,5	2,6
22 - LM	M 26 x 1,5		35,0	26,3	31,9	3,5	2,6
20 - SR / 20 - SM	M 27 x 2	G 3/4"	38,0	27,3	32,9	3,5	2,6
22 - LR		G 3/4"	38,0	27,3	32,	3,5	2,6
25 - SR / 25 - SM	M 33 x 2	G 1"	42,0	33,6	39,9	3,5	2,6
28 - LR / 28 - LM	M 33 x 2	G 1"	42,0	33,6	39,9	3,5	2,6
30 - SR / 30 - SM	M 42 x 2	G 1 1/4"	49,9	42,4	49,9	3,5	
35 - LR / 35 - LM	M 42 x 2	G 1 1/4"	49,9	42,4	49,9	3,5	
38 - SR / 38 - SM	M 48 x 2	G 1 1/2"	60,0	48,4	55,9	3,5	2,6
42 - LR / 42 - LM	M 48 x 2	G 1 1/2"	60,0	48,4	55,9	3,5	2,6

For Banjo Couplings WHV / THV | With External Thread



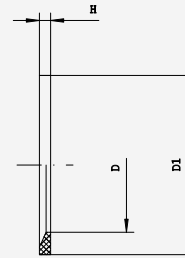
Thread	Approx. Dimensions		
	D	D1	H
G 1/8"	9,8	14	2,5
G 1/4"	13,3	18	3,0
G 3/8"	16,8	22	3,0
G 1/2"	21,1	26	4,5
G 3/4"	27,1	32	4,0
G 1"	33,4	39	4,0
G 1 1/4"	42,1	49	4,0
G 1 1/2"	48,1	55	4,0
M 10 x 1	10,0	14	2,5
M 12 x 1,5	12,1	17	3,0
M 14 x 1,5	14,1	19	3,0
M 16 x 1,5	16,1	21	3,0
M 18 x 1,5	18,1	23	3,0
M 20 x 1,5	20,1	25	3,0
M 22 x 1,5	22,1	27	3,0
M 26 x 1,5	26,1	31	3,0
M 27 x 2	27,1	32	4,0
M 33 x 2	33,1	39	4,0
M 42 x 2	42,1	49	4,0
M 48 x 2	48,1	55	4,0

For Internal Thread



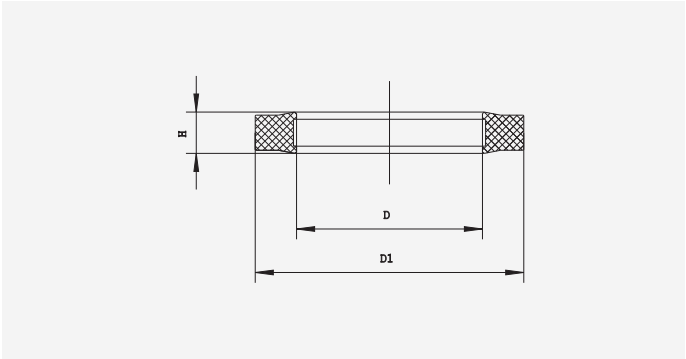
Thread	Approx. Dimensions		
	D	D1	H
G 1/4"	6	11,3	4,5
G 3/8"			
G 1/2"	12	18,5	5,0
M 18 x 1,5			
M 20 x 1,5	12	17,5	5,0

To DIN 3869 | FPM (Viton) | -20°C to +200°C



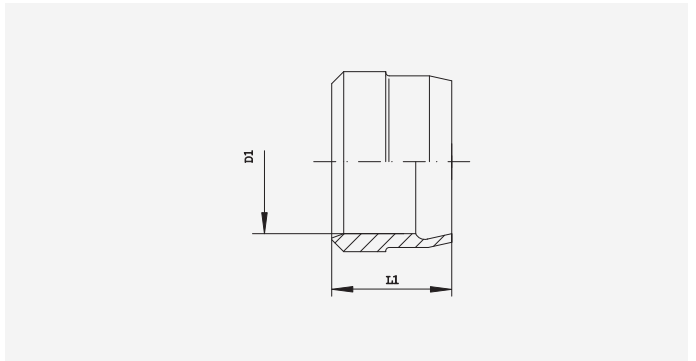
Thread		Approx. Dimensions		
		D	D1	H
M 8 x 1		6,5	9,9	1,0
M 10 x 1	R 1/8"	8,4	11,9	1,0
M 12 x 1,5		9,8	14,4	1,5
M 14 x 1,5	R 1/4"	11,6	16,5	1,5
M 16 x 1,5		13,8	18,9	1,5
	R 3/8"	14,7	18,9	1,5
M 18 x 1,5		15,7	20,9	1,5
M 20 x 1,5		17,8	22,9	1,5
	R 1/2"	18,5	23,9	1,5
M 22 x 1,5		19,6	24,3	1,5
M 26 x 1,5	R 3/4"	23,9	29,2	1,5
M 27 x 2	R 3/4"	23,9	29,2	1,5
M 33 x 2	R 1"	29,7	35,7	2,0
M 42 x 2	R 1 1/4"	38,8	45,8	2,0
M 48 x 2	R 1 1/2"	44,7	50,7	2,0

Made from Polyurethane | -40°C to +100°C | For Flange SAE J 518 / ISO 6162



Pressure PN	Flange Dimensions 3000 + 6000 P.S.I.	Approx. Dimensions		
		D	D1	H
420	1/2"	17,0	25,4	3,5
420	3/4"	23,4	31,8	3,5
420	1"	31,3	39,7	3,5
420	1 1/4"	36,1	44,5	3,5
420	1 1/2"	45,4	53,8	3,5
420	2"	55,0	63,4	3,5

Hardened (carbonized) | The Types LL are One-Bite Cutting Rings. | Excluding the ordinary discount!



Series LL

Tube O.D	Approx. Dimensions	DIN 3861
D1	L1	
4	6,0	ALL 4
6	7,0	ALL 6
8	7,0	ALL 8

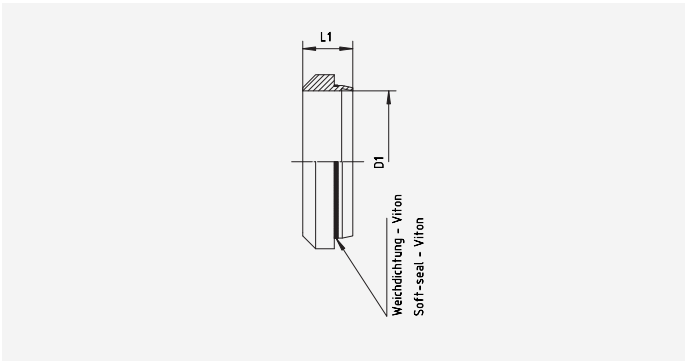
Series L

Tube O.D	Approx. Dimensions	DIN 3861
D1	L1	
6	9,0	BL 6
8	9,0	BL 8
10	9,5	BL 10
12	10,0	BL 12
15	10,0	BL 15
18	10,0	BL 18
22	11,0	BL 22
28	11,0	BL 28
35	13,5	BL 35
42	13,5	BL 42

Series S

Tube O.D	Approx. Dimensions	DIN 3861
D1	L1	
6	9,0	BS 6
8	9,0	BS 8
10	9,5	BS 10
12	10,0	BS 12
14	9,5	BS 14
16	10,0	BS 16
20	11,5	BS 20
25	12,5	BS 25
30	12,5	BS 30
38	13,5	BS 38

Hardened | Excluding the ordinary discount!



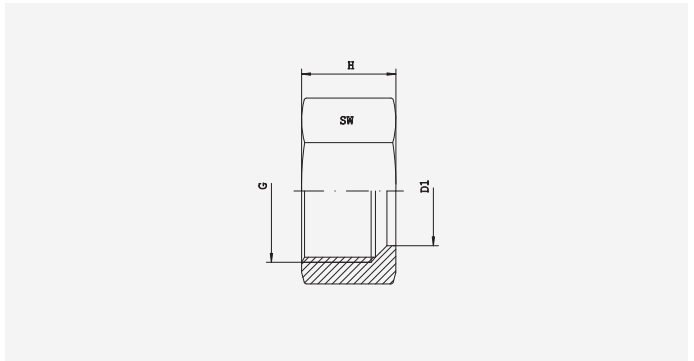
Series L

Pressure	Tube O.D	Approx. Dimensions
PN	D1	L1
315	6	8,8
315	8	8,8
315	10	9,8
315	12	9,8
315	15	10,2
315	18	10,2
160	22	11,5
160	28	11,5
160	35	13,5
160	42	13,5

Series S

Pressure	Tube O.D	Approx. Dimensions
PN	D1	L1
630	6	8,8
630	8	8,8
630	10	9,8
630	12	9,8
630	14	10,2
400	16	10,2
400	20	12,5
400	25	12,5
400	30	13,5
315	38	13,5

DIN 3870 + DIN EN ISO 8434-1 | For Cutting Ring Connection



Series LL

Tube O.D. D1	Thread G	Approx. Dimensions		DIN 3861	ISO 8434-1
		H	SW		
4	M 8 x 1	11,0	10	ALL 4	
6	M 10 x 1	12,0	12	ALL 6	
8	M 12 x 1	12,5	14	ALL 8	

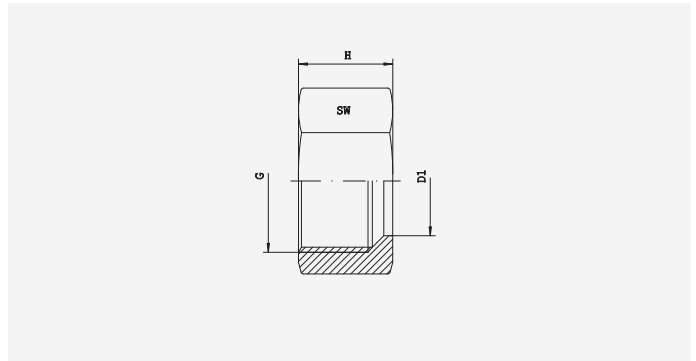
Series L

Tube O.D. D1	Thread G	Approx. Dimensions		DIN 3861	ISO 8434-1
		H	SW		
6	M 12 x 1,5	14,5	14		N-L 6
8	M 14 x 1,5	14,5	17		N-L 8
10	M 16 x 1,5	15,5	19		N-L 10
12	M 18 x 1,5	15,5	22		N-L 12
15	M 22 x 1,5	17,0	27		N-L 15
18	M 26 x 1,5	18,0	32		N-L 18
22	M 30 x 2	20,0	36		N-L 22
28	M 36 x 2	21,0	41		N-L 28
35	M 45 x 2	24,0	50		N-L 35
42	M 52 x 2	24,0	60		N-L 42

Series S

Tube O.D. D1	Thread G	Approx. Dimensions		DIN 3861	ISO 8434-1
		H	SW		
6	M 14 x 1,5	16,5	17		N-S 6
8	M 16 x 1,5	16,5	19		N-S 8
10	M 18 x 1,5	17,5	22		N-S 10
12	M 20 x 1,5	17,5	24		N-S 12
14	M 22 x 1,5	20,5	27		N-S 14
16	M 24 x 1,5	20,5	30		N-S 16
20	M 30 x 2	24,0	36		N-S 20
25	M 36 x 2	27,0	46		N-S 25
30	M 42 x 2	29,0	50		N-S 30
38	M 52 x 2	32,5	60		N-S 38

DIN 3870 + DIN EN ISO 8434-1 | For Cutting Ring Connection | Nut including slide coating to reduce friction



Series L

Tube O.D. D1	Thread G	Approx. Dimensions		ISO 8434-1
		H	SW	
6	M 12 x 1,5	14,5	14	N-L 6
8	M 14 x 1,5	14,5	17	N-L 8
10	M 16 x 1,5	15,5	19	N-L 10
12	M 18 x 1,5	15,5	22	N-L 12
15	M 22 x 1,5	17,0	27	N-L 15
18	M 26 x 1,5	18,0	32	N-L 18
22	M 30 x 2	20,0	36	N-L 22
28	M 36 x 2	21,0	41	N-L 28
35	M 45 x 2	24,0	50	N-L 35
42	M 52 x 2	24,0	60	N-L 42

Series S

Tube O.D. D1	Thread G	Approx. Dimensions		ISO 8434-1
		H	SW	
6	M 14 x 1,5	16,5	17	N-S 6
8	M 16 x 1,5	16,5	19	N-S 8
10	M 18 x 1,5	17,5	22	N-S 10
12	M 20 x 1,5	17,5	24	N-S 12
14	M 22 x 1,5	20,5	27	N-S 14
16	M 24 x 1,5	20,5	30	N-S 16
20	M 30 x 2	24,0	36	N-S 20
25	M 36 x 2	27,0	46	N-S 25
30	M 42 x 2	29,0	50	N-S 30
38	M 52 x 2	32,5	60	N-S 38

NON-RETURN-VALVES

Important Data

Our non-return valves are supplied with standard valve lift pressure 1 bar.

Valve lift alternative pressures are 0,2; 0,5; 2 and 3 bar, supplied on request. (e.g. RD-L-12-0,5 bar)

The valve stroke is limited. The flow is 4-5 m/s. All valves are identified with flow direction and valve lift pressure.

Material: 1.4571

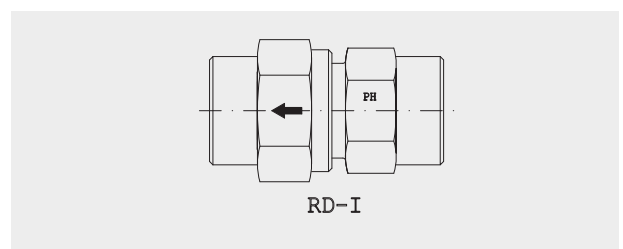
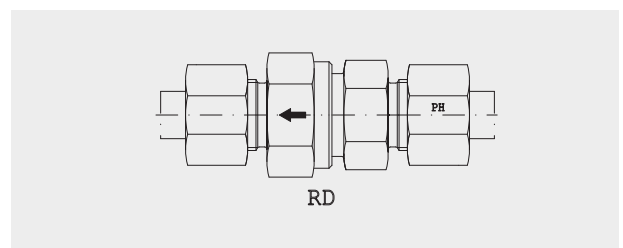
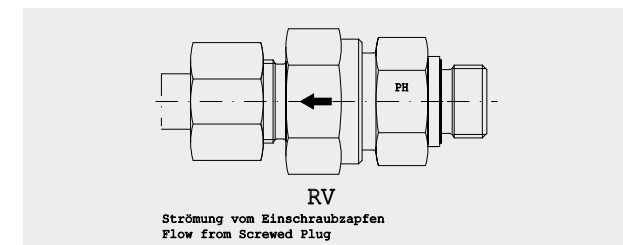
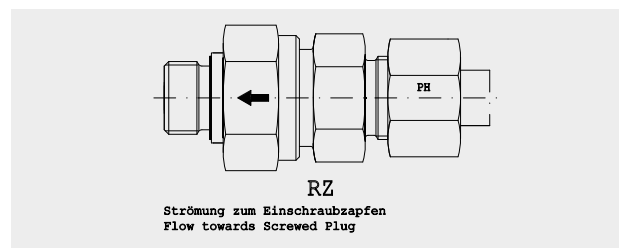
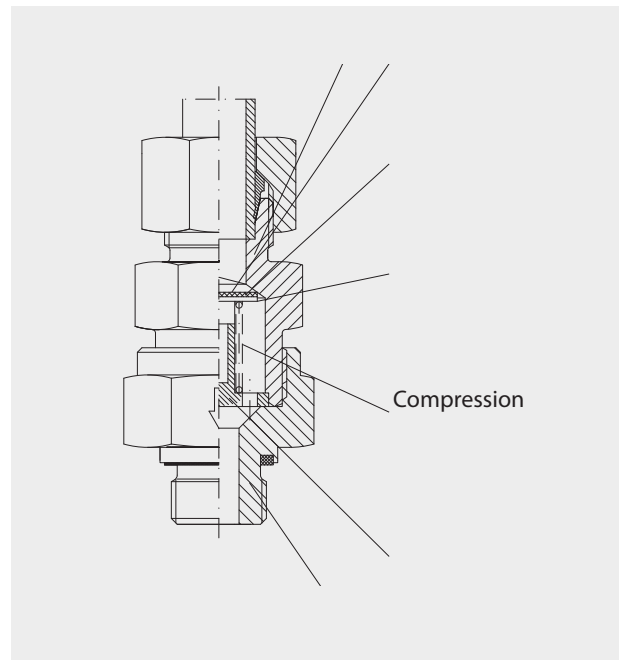
Other materials on request!

Viton Seals Temperature Range (-20°C to +200°C)

Opening pressure tolerance = $\pm 20\%$

Application for Hydraulic Fluids

In order to guarantee the suitability of the valves for other applications, we request the description of the medium, possibly also the concentration, max. working pressure including peak pressure, temperature and frequency of the valve operation.

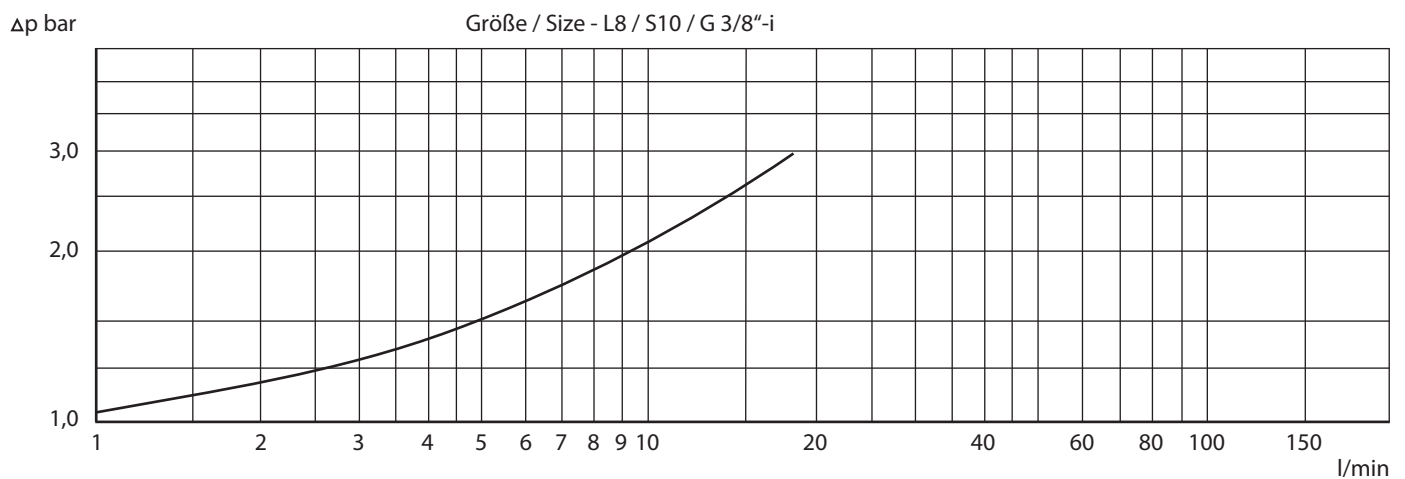
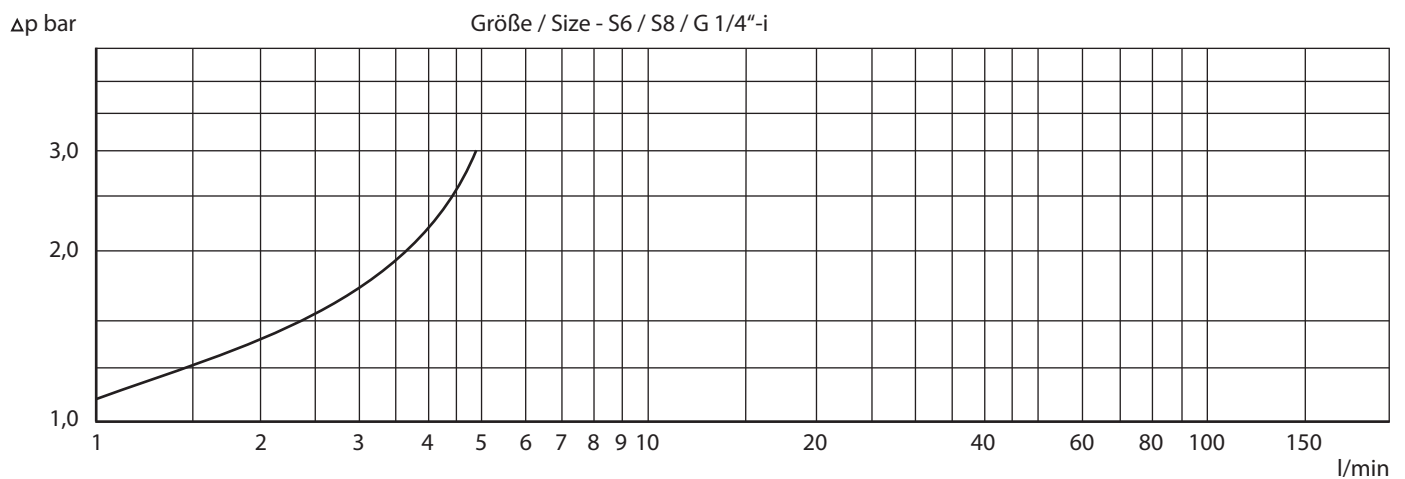
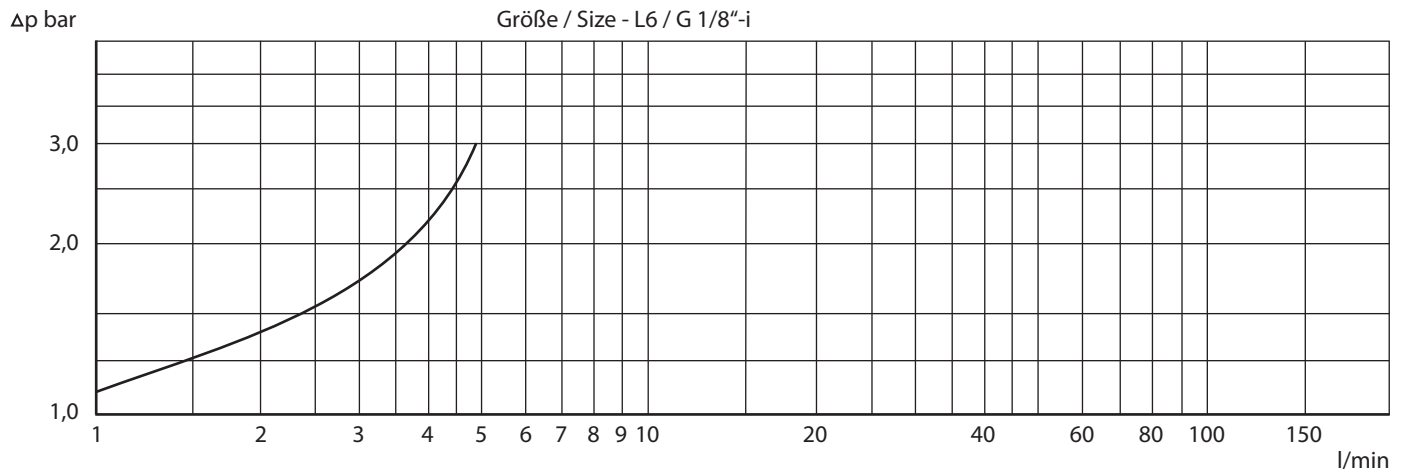


TECHNICAL DATA / PRESSURE DROP -

Tested with hydraulic oil

1 cm² / s = 100 cSt

1 bar opening pressure

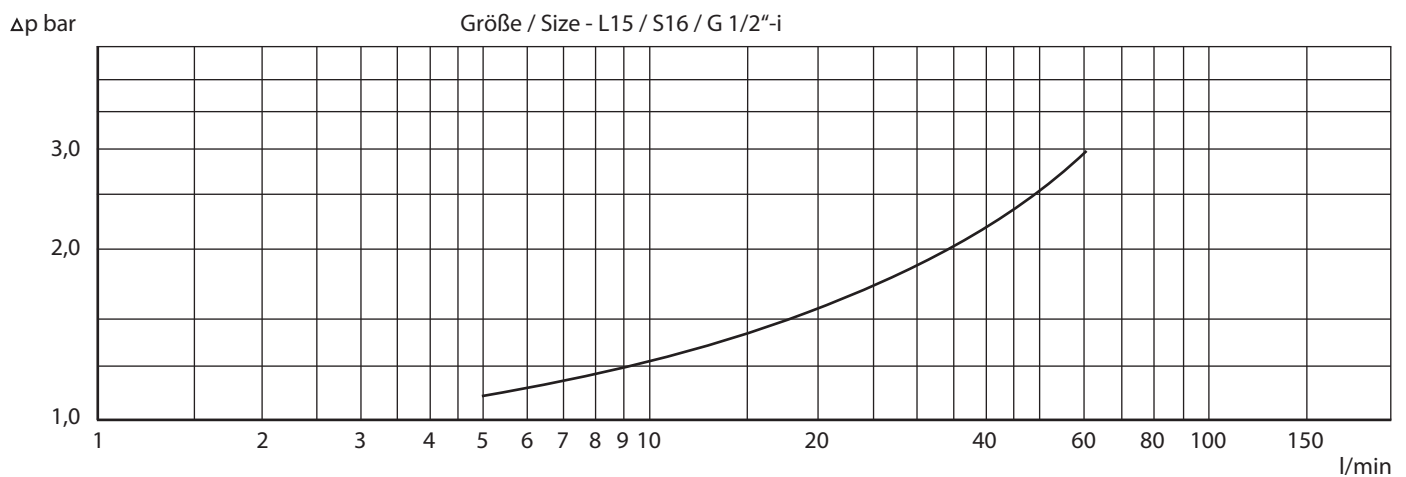
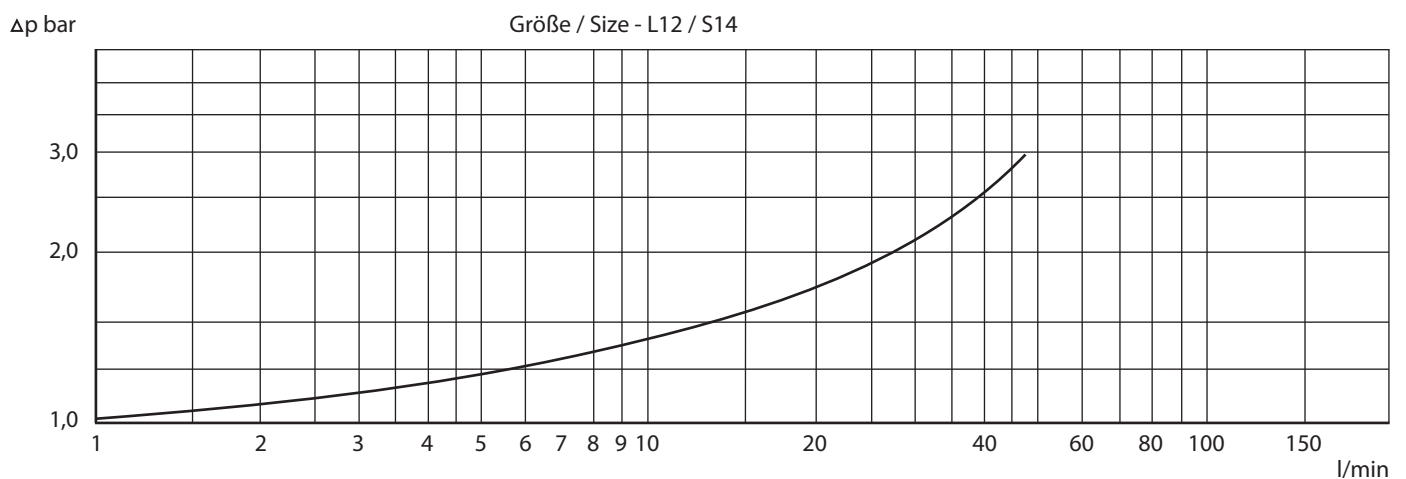
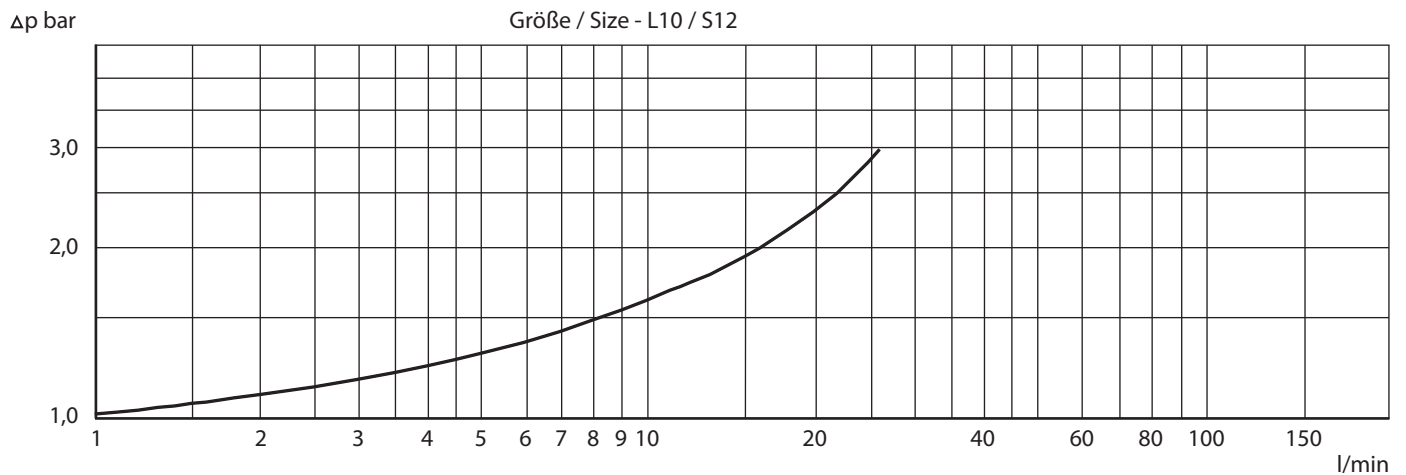


TECHNICAL DATA / PRESSURE DROP -

Tested with hydraulic oil

1 cm² / s = 100 cSt

1 bar opening pressure

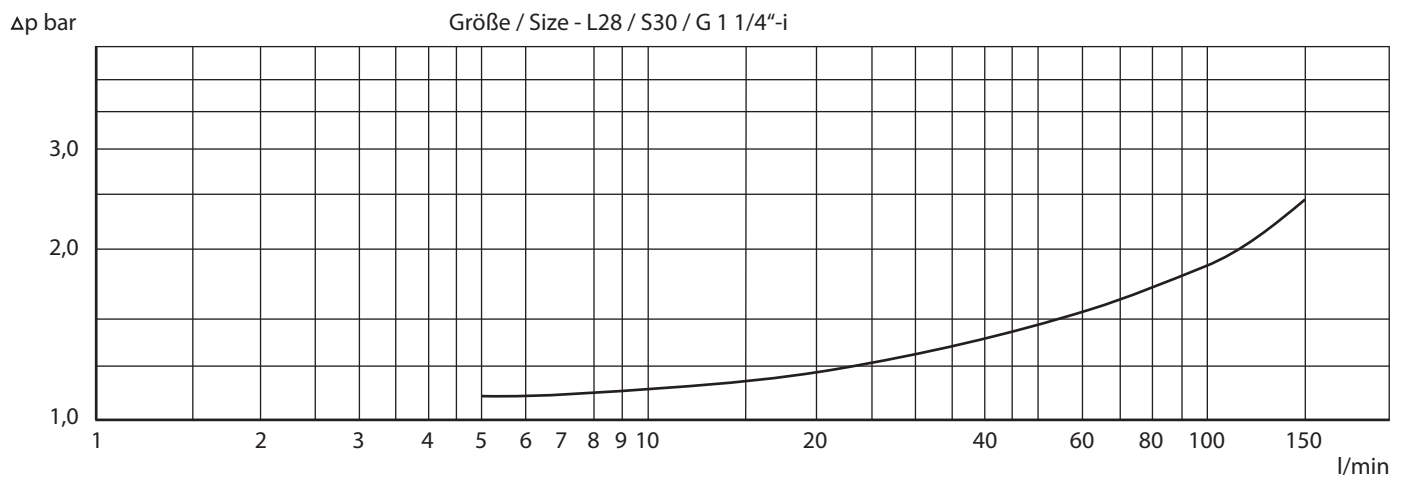
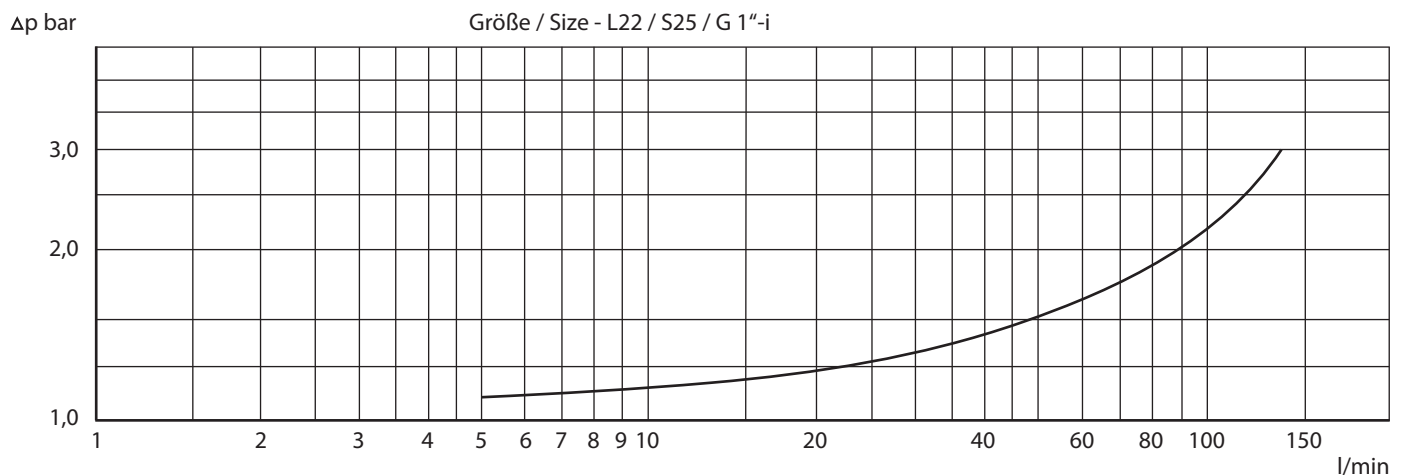
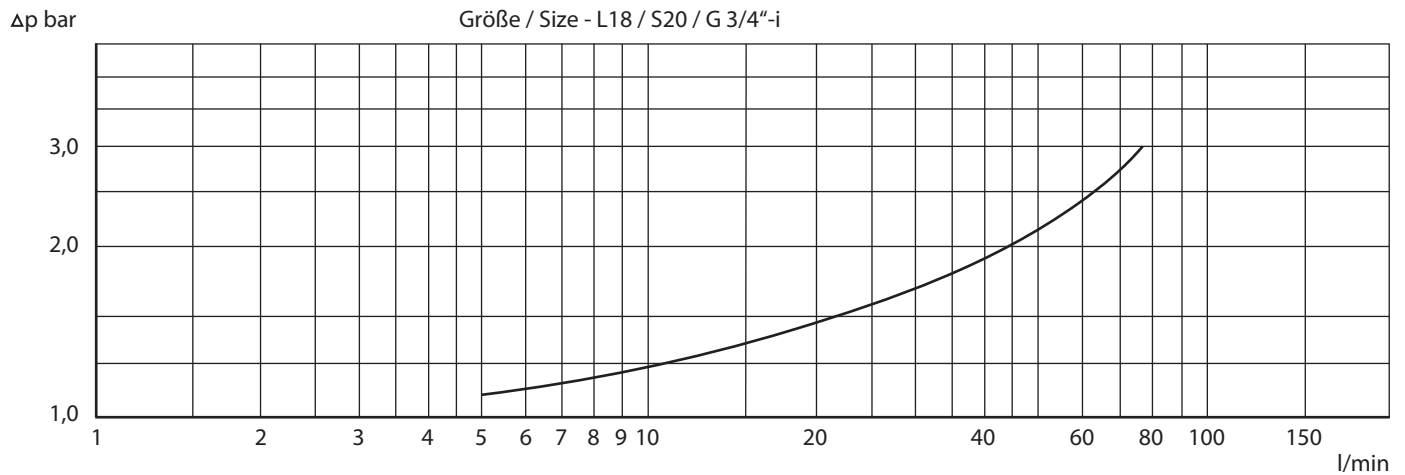


TECHNICAL DATA / PRESSURE DROP - NON-RETURN-VALVES

Tested with hydraulic oil

1 cm² / s = 100 cSt

1 bar opening pressure





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