



Actuation Valve



**Stainless Steel
BSP Screwed
Low Pressure Fittings**



Actuation Valve

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- M/M 90 Degree Bend



Introduction

BSP Screwed Low Pressure Stainless Steel Pipe Fittings

KI (Kingdom) brand high quality CF8M 316 Stainless Steel Castings

100% compliance with the ISO 4144 standard for dimensions, inspection and testing

All KI Pipe Fittings are 100% Pressure Tested at the Factory NOT just batch tested.

All Fittings (with the exceptions listed below) are screwed to ISO 7/1 Rp BSP Parallel Female Threads, ISO 7/1R BSP Taper Male Threads (in both instances, the seal is made on the thread). BSPP Male threads to ISO 228-1 are unsuitable for use with these fittings. Face sealing with "Dowty" Seals is NOT recommended.

20 Bar/g (290 psi/g) pressure rated @ ambient temperatures (see table below)



Pressure-Temp Rating	
Temperature (°C)	No-Shock Maxium Working Pressure (Bar)
-20 to 40	20
100	16.5
150	15
200	14
220	13.5
1. Pressure for intermediate temperatures may be determined by the interpolation method. 2. Temperatures indicated are those of internal fluid. 3. Piping loads, stresses and moments are not taken into account.	

Back Nuts and Bulkhead/Tank Connectors are threaded to ISO 228-1 BSPP Parallel

Barrel Nipples, Weld Nipples, Close Taper Nipples, Running Nipples, Male Bends and Special Length Barrel/Weld Nipples are all manufactured from Pipe and have a higher pressure rating.

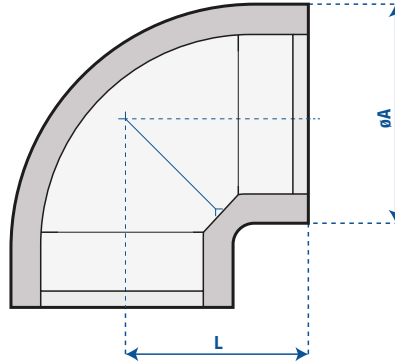
All dimensions given were accurate at the time of publishing and are subject to change without prior notice. If dimensions are critical, please confirm with the Sales office.



Actuation Valve

K-01

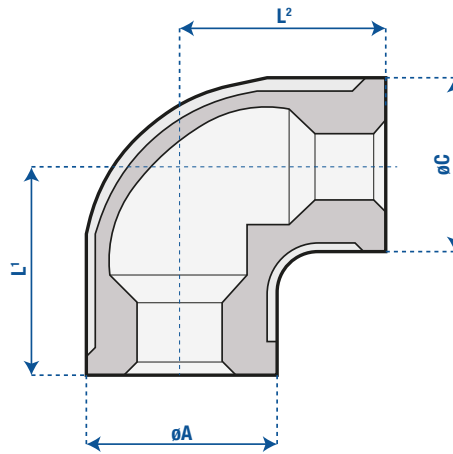
Equal Female 90 Elbow



SIZE	ϕA	L
1/8"	15.5	17.5
1/4"	19	19.5
3/8"	22.5	23.5
1/2"	27.5	27.5
3/4"	33	32.5
1"	40.5	38.5
1-1/4"	50	45.5
1-1/2"	56.5	48.5
2"	70	57.5
2-1/2"	86.5	69.5
3"	100	78.5
4"	126	96.5

K-01A

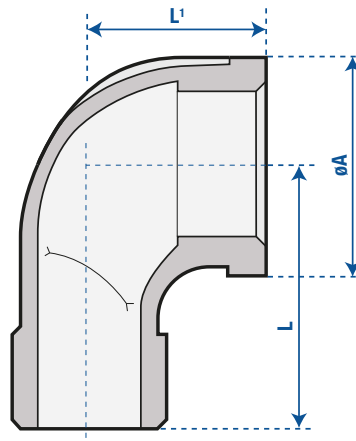
Reducing Female 90 Elbow



SIZE	ϕA	ϕC	L^1	L^2
1"x1/2"	40.5	27.5	28.5	30.5
1"x3/4"	40.5	33	34.5	35.5
1-1/4"x1"	50	40.5	40.5	42.5
1-1/2"x1"	56.5	40.5	41.5	45.5

K-04

Equal M/F 90 Street Elbow



SIZE	ϕB	L	L^1
1/8"	15.5	26.5	17.5
1/4"	19	27.5	19.5
3/8"	22.5	29.5	23.5
1/2"	27	35.5	27.5
3/4"	32.5	40.5	32.5
1"	40	46.5	38.5
1-1/4"	50	54.5	45.5
1-1/2"	56.5	57.5	48.5
2"	69	70.5	57.5
2-1/2"	86.5	83.5	69.5
3"	100	94.5	78.5
4"	126	115.5	97.5

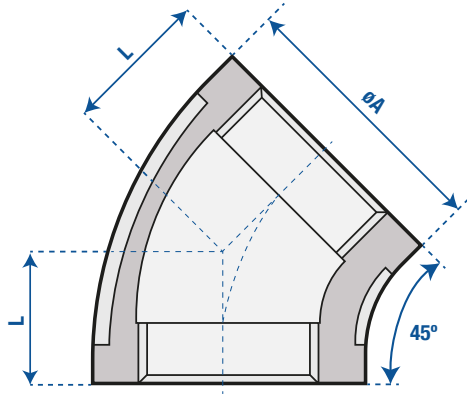
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Actuation Valve

K-05

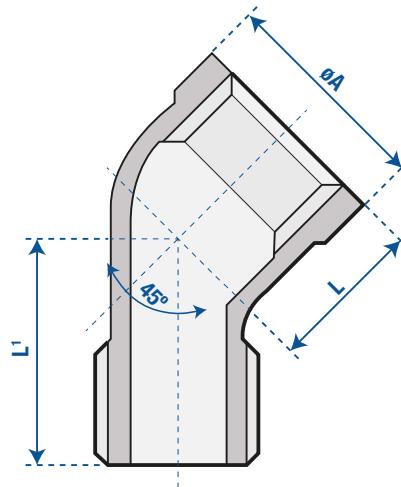
Equal Female 45 Elbow



SIZE	ØA	L
1/8"	15.5	16.5
1/4"	19	17.5
3/8"	22.5	19.5
1/2"	27.5	21.5
3/4"	33	25.5
1"	40.5	29.5
1-1/4"	50	33.5
1-1/2"	56.5	37.5
2"	70	42.5
2-1/2"	86.5	49.5
3"	100	54.5
4"	126	64.5

K-04A

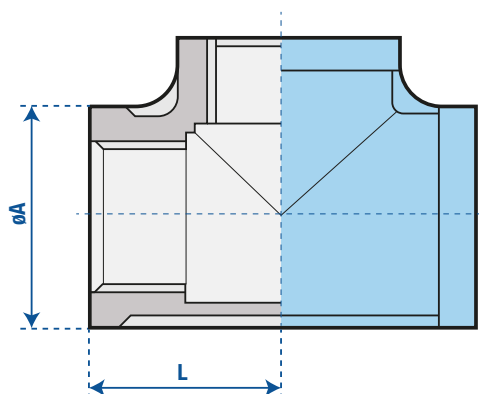
Equal M/F 45 Street Elbow



SIZE	ØA	L	L¹
1/4"	21	17	23
3/8"	25	19	27
1/2"	29	21	31
3/4"	35	25	36
1"	43	29	42
1-1/4"	52	34	49
1-1/2"	58	37	51
2"	71	42	59

K-02

Equal Female Tee



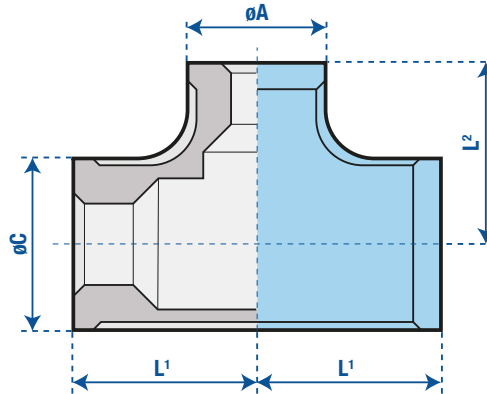
SIZE	ØA	L
1/8"	15.5	17.5
1/4"	19	19.5
3/8"	22.5	23.5
1/2"	27.5	27.5
3/4"	33	32.5
1"	40.5	38.5
1-1/4"	50	45.5
1-1/2"	56.5	48.5
2"	70	57.5
2-1/2"	86.5	69.5
3"	100	78.5
4"	126	96.5

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K-02A

Reducing Female Tee

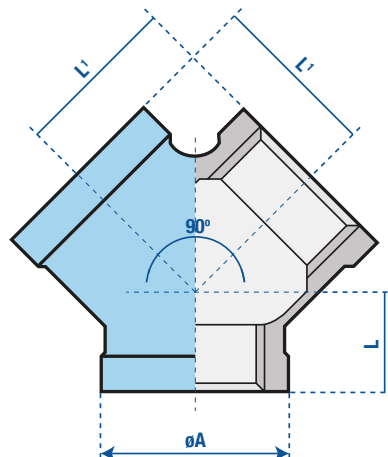


Actuation Valve

SIZE	ϕA	ϕC	L^1	L^2
3/8"x1/8"	15.5	22.5	19.5	20.5
1/2"x1/4"	19	27.5	24.5	24.5
1/2"x3/8"	22.5	27.5	26.5	25.5
3/4"x1/4"	19	33	26.5	27.5
3/4"x1/2"	27.5	33	29.5	30.5
1"x1/4"	19	40.5	27.5	30.5
1"x3/8"	22.5	40.5	30.5	32
1"x1/2"	27.5	40.5	32.5	33.5
1"x3/4"	33	40.5	34.5	35.5
1-1/4"x3/8"	22.5	50	34	36.5
1-1/4"x1/2"	27.5	50	36	38.5
1-1/4"x3/4"	33	50	38.5	40.5
1-1/4"x1"	40.5	50	40.5	42.5
1-1/2"x1/2"	27.5	56.5	36	41.5
1-1/2"x3/4"	33	56.5	38.5	43.5
1-1/2"x1"	40.5	56.5	41.5	45.5
1-1/2"x1-1/4"	50	56.5	45.5	48.5
2"x1/2"	27.5	69	41.5	49.5
2"x3/4"	33	69	41.5	49.5
2"x1"	40	69	44.5	51.5
2"x1-1/4"	50	70	48.5	54.5
2x1-1/2"	56.5	70	52.5	55.5

K-02C

Equal Female Y-Piece



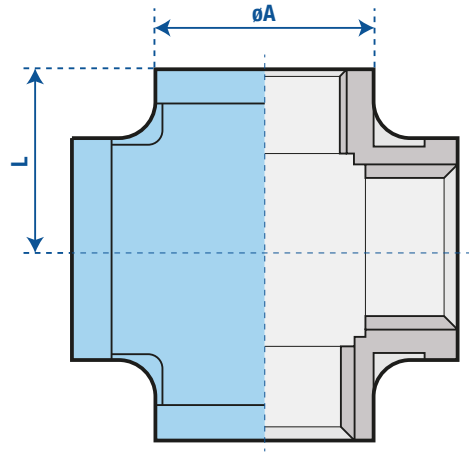
SIZE	ϕA	L	L^1
1/4"	21	13	19
3/8"	25	14	23
1/2"	29	18	27
3/4"	35	20	32
1"	43	23	38
1-1/4"	52	28	46
1-1/2"	58	30	48
2"	71	34	57



Actuation Valve

K-03

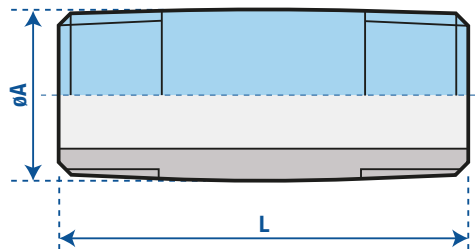
Equal Female Cross



SIZE	ϕA	L
1/8"	15.5	17.5
1/4"	19	19.5
3/8"	22.5	23.5
1/2"	27	27.5
3/4"	32.5	32.5
1"	40	38.5
1-1/4"	50	45.5
1-1/2"	56.5	48.5
2"	69	57.5
2-1/2"	86.5	69.5
3"	100	78.5
4"	126	96.5

K-07B

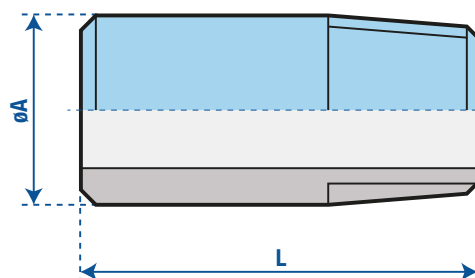
Barrel Nipple From Pipe



SIZE	ϕA	L
1/8"	10.2	40
1/4"	13.5	40
3/8"	17.2	40
1/2"	21.3	60
3/4"	26.9	60
1"	33.7	60
1-1/4"	42.4	80
1-1/2"	48.3	80
2"	60.3	100
2-1/2"	76.1	100
3"	88.9	120
4"	114.3	120
5"	139.7	150
6"	165.1	155

K-07C

Weld Nipple From Pipe



SIZE	ϕA	L
1/8"	10.2	30
1/4"	13.5	30
3/8"	17.2	30
1/2"	21.3	35
3/4"	26.9	40
1"	33.7	40
1-1/4"	42.4	50
1-1/2"	48.3	50
2"	60.3	50
2-1/2"	76.1	60
3"	88.9	70
4"	114.3	80
5"	139.7	90
6"	165.1	100

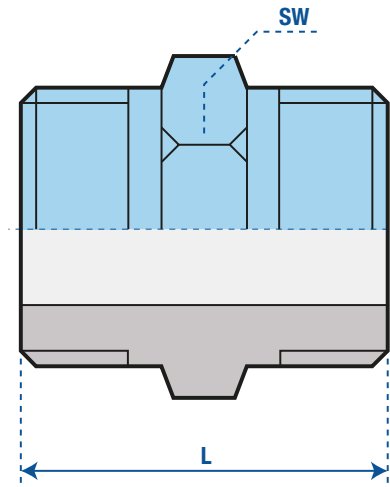
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K-071

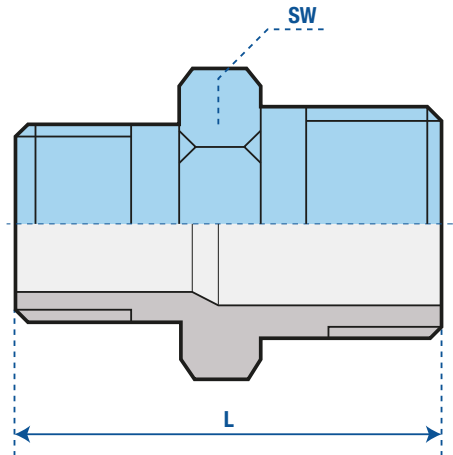
Equal Hexagon Nipple



SIZE	L	SW
1/8"	23.6	12
1/4"	27.8	16
3/8"	28	19
1/2"	34	21.6
3/4"	40	30
1"	46	36
1-1/4"	52.5	46
1-1/2"	54	50
2"	62	64.5
2-1/2"	70	79.5
3"	78.4	90
4"	94	120

K-07A

Reducing Hexagon Nipple



SIZE	L	SW
1/4"x1/8"	25.5	16
3/8"x1/8"	26	18
3/8"x1/4"	28.5	18
1/2"x1/8"	34	26
1/2"x1/4"	32	24
1/2"x3/8"	37	24
3/4"x1/4"	37	30
3/4"x3/8"	34.5	30
3/4"x1/2"	38	30
1"x1/4"	39	30
1"x3/8"	40	35
1"x1/2"	41	35
1"x3/4"	42	36
1-1/4"x3/8"	46	36

SIZE	L	SW
1-1/4"x1/2"	48	46
1-1/4"x3/4"	45.5	46
1-1/4"x1"	48.5	46
1-1/2"x1/2"	49	46
1-1/2"x3/4"	53	50
1-1/2"x1"	48.5	50
1-1/2"x1-1/4"	51	50
2"x1/2"	52	50
2"x3/4"	56	63
2"x1"	57	63
2"x1-1/4"	55.5	63
2"x1-1/2"	55.5	65
2-1/2"x3/4"	63	65
2-1/2"x1"	63	80

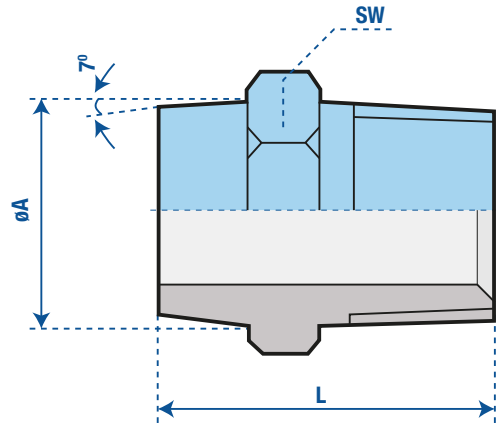
SIZE	L	SW
2-1/2"x1-1/4"	66	80
2-1/2"x1-1/2"	57.5	80
2-1/2"x2"	62	80
3"x1"	69	80
3"x1-1/4"	72	95
3"x1-1/2"	72	95
3"x2"	66	95
3"x2-1/2"	68	95
4"x2"	82	125
4"x2-1/2"	74	120
4"x3"	77	120



Actuation Valve

K-07E

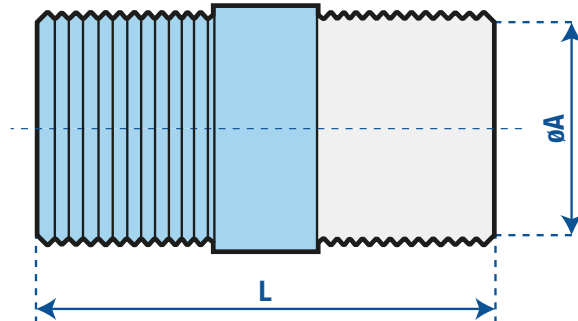
Hexagon Weld Nipple



SIZE	ØA	L	SW
1/4"	14	30.6	14.3
3/8"	17.2	31.8	17.5
1/2"	20.7	36.4	22.2
3/4"	26.6	38.1	28.6
1"	32.9	42.9	34.9
1-1/4"	41.3	49.2	42.8
1-1/2"	48.8	54	50.8
2"	60.3	55.6	63.5

K-07CTN

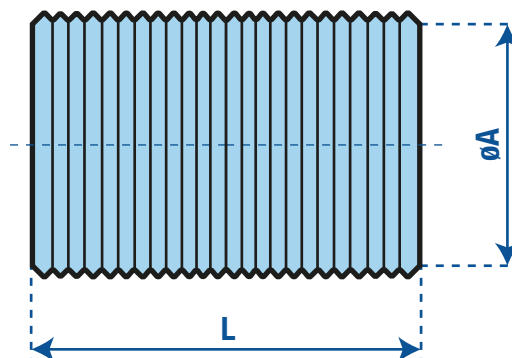
Close Taper Nipple



SIZE	ØA	L
1/8"	10.2	27
1/4"	13.5	27
3/8"	17.2	28
1/2"	21.3	37
3/4"	26.9	39
1"	33.7	46
1-1/4"	42.4	51
1-1/2"	48.3	51
2"	60.3	60
2-1/2"	76.1	69
3"	88.9	70
4"	114.3	80

K-07RGN

Running Nipple



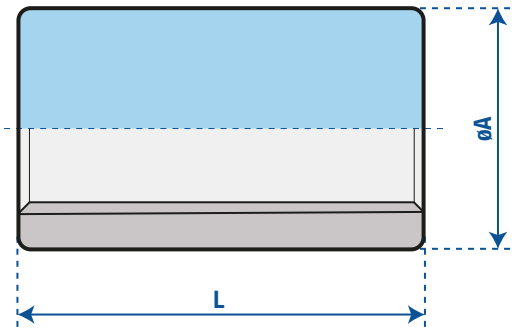
SIZE	ØA	L
1/8"	10.2	18
1/4"	13.5	21
3/8"	17.2	22
1/2"	21.3	28
3/4"	26.9	33
1"	33.7	36
1-1/4"	42.4	40
1-1/2"	48.3	40
2"	60.3	49
2-1/2"	76.1	55
3"	88.9	58
4"	114.3	70



Actuation Valve

K-012E

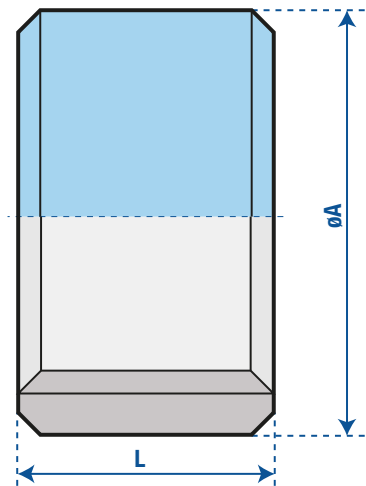
Full Socket (Coupling) O.D. Machined



SIZE	ØA	L
1/8"	15	17
1/4"	18.5	25
3/8"	21.3	26
1/2"	26.4	34
3/4"	31.8	36
1"	39.5	43
1-1/4"	48.3	48
1-1/2"	54.5	48
2"	66.5	56
2-1/2"	82.3	65
3"	95	71
4"	122	83
5"	153	89
6"	175	92.5

K-012F

Half Socket (Coupling) O.D. Machined



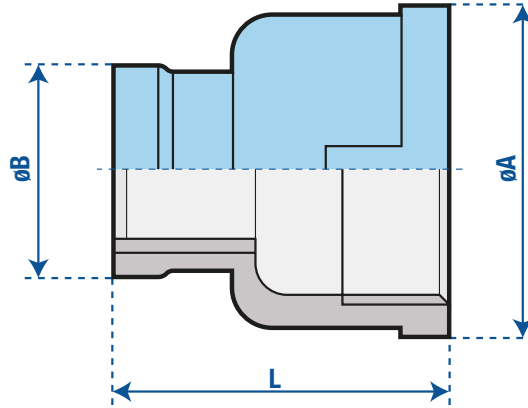
SIZE	ØA	L
1/8"	15	10
1/4"	18.5	8
3/8"	21.3	12
1/2"	26.4	15
3/4"	31.8	17
1"	39.5	20
1-1/4"	48.3	22
1-1/2"	54.5	22
2"	66.5	26
2-1/4"	75	38
2-1/2"	82.3	31
3"	95	34
4"	122	39



Actuation Valve

K-012A

Reducing Socket



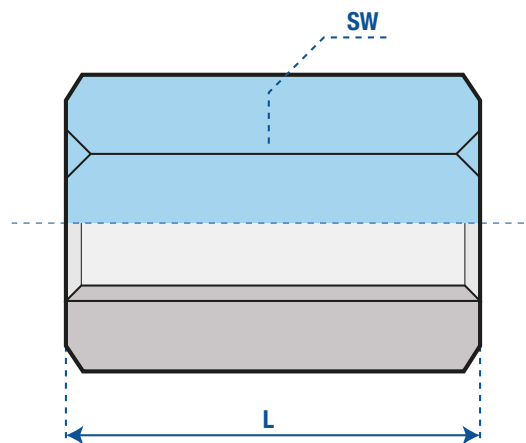
SIZE	ØA	ØB	L
1/4"x1/8"	19	15.5	26
3/8"x1/8"	22.5	15.5	27
3/8"x1/4"	22.5	19	27
1/2"x1/8"	29	17	34
1/2"x1/4"	27	19	35
1/2"x3/8"	27	22.5	35
3/4"x1/8"	36.7	17	38
3/4"x1/4"	36.7	21	38
3/4"x3/8"	32.5	22.5	37
3/4"x1/2"	32.5	27	37
1"x1/4"	43	21.2	42
1"x3/8"	43	25.4	42
1"x1/2"	40	27	43
1"x3/4"	40	32.5	43
1-1/4"x3/8"	52	25.4	48

SIZE	ØA	ØB	L
1-1/4"x1/2"	52	30	48
1-1/4"x3/4"	50	32.5	49
1-1/4"x1"	50	40	49
1-1/2"x1/2"	59	29	51
1-1/2"x3/4"	59	35.5	49
1-1/2"x1"	56.5	40	53
1-1/2"x1-1/4"	56.5	50	53
2"x1/2"	72	28	50.5
2"x3/4"	72	33	51
2"x1"	72	41	56
2"x1-1/4"	69	50	59
2"x1-1/2"	69	56.5	59
2-1/2"x1"	87	43	60
2-1/2"x1-1/4"	85	52	60
2-1/2"x1-1/2"	85	57	60

SIZE	ØA	ØB	L
2-1/2"x2"	85	69.4	61
3"x1"	100	43.2	62
3"x1-1/4"	100	52.7	62
3"x1-1/2"	100	56.6	62
3"x2"	100	70	62
3"x2-1/2"	100	87	62
4"x2"	129	70	65
4"x2-1/2"	128	86.2	65
4"x3"	128	105	65

K-012K

Hexagon Socket (Coupling)



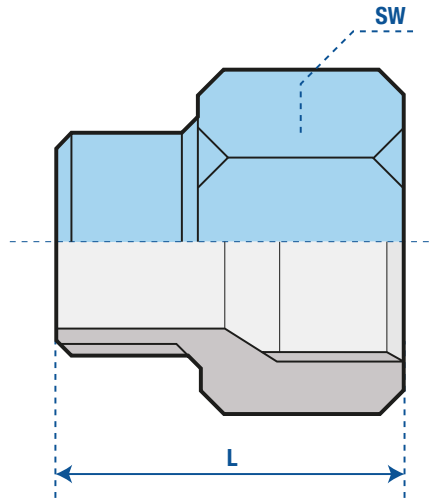
SIZE	L	SW
1/4"	25	17
3/8"	26	21
1/2"	34	26
3/4"	36	32
1"	43	38



Actuation Valve

K-017

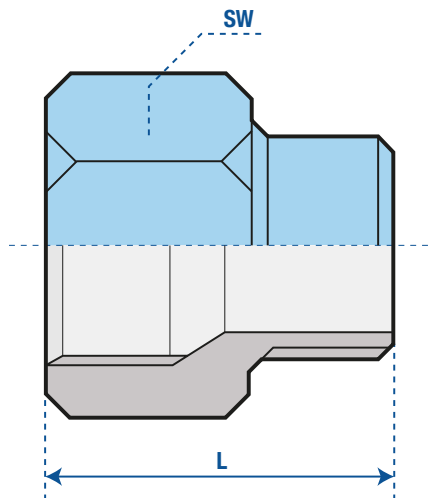
Equal M/F Hexagon Adaptor



SIZE	L	SW
1/4"	28.5	17
3/8"	31	21
1/2"	37.5	26
3/4"	41	32
1"	46	38

K-09A

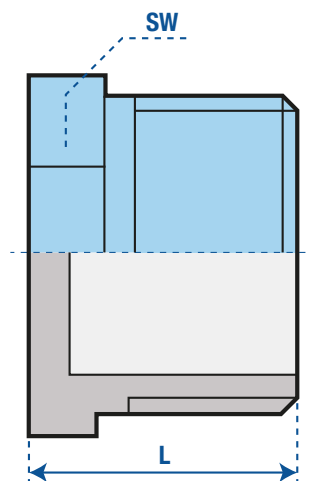
Reducing M/F Hexagon Adaptor



SIZE	L	SW
1/8"x1/4"	27	17
1/4"x3/8"	30.5	21
1/4"x1/2"	34	26
3/8"x1/2"	34.5	26
1/2"x3/4"	38.5	32
1/2"x1"	41	38
3/4"x1"	44	38
1"x1-1/4"	47	50
1"x1-1/2"	42.5	50
1"x2"	51	68
1-1/4"x1-1/2"	50	54
1-1/4"x2"	53	68
1-1/2"x2"	54	68

K-08

Hexagon Head Plug



SIZE	L	SW
1/8"	17	12
1/4"	17.5	16
3/8"	18	20
1/2"	21	24
3/4"	22.5	30
1"	25.5	36
1-1/4"	28.5	46
1-1/2"	28.5	50
2"	33.5	65
2-1/2"	37	80
3"	41	95
4"	48	120

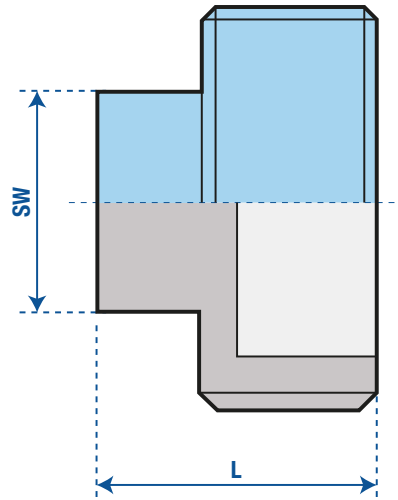
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Actuation Valve

K-08B

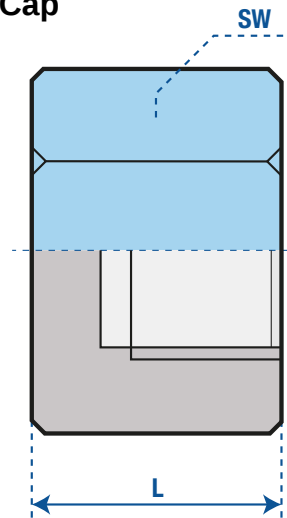
Square Head Plug



SIZE	L	SW
1/8"	16.5	6x6
1/4"	20	9x9
3/8"	24	11x11
1/2"	20.5	13x13
3/4"	23	16x16
1"	27.5	21x21
1-1/4"	30	24x24
1-1/2"	31	27x27
2"	36.5	34x34
2-1/2"	40.5	41x41
3"	43.5	46x46
4"	54	60x60

K-010

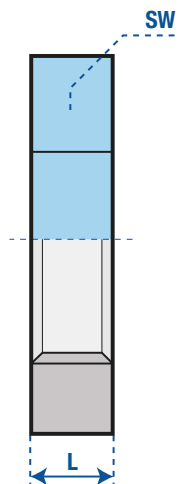
Hexagon End Cap



SIZE	L	SW
1/4"	17	18
3/8"	19	21
1/2"	20	27
3/4"	24	30
1"	25	38
1-1/4"	28	50
1-1/2"	28	55
2"	34	70
2-1/2"	40	92
3"	45	109
4"	50	132

K-011

Hexagon Backnut (Locknut)



SIZE	L	SW
1/8"	6.2	14.6
1/4"	7	23
3/8"	8	26
1/2"	10	31
3/4"	11	37
1"	10	46
1-1/4"	11	55
1-1/2"	12	63
2"	13	76
2-1/2"	16	95
3"	19	105
4"	20	131

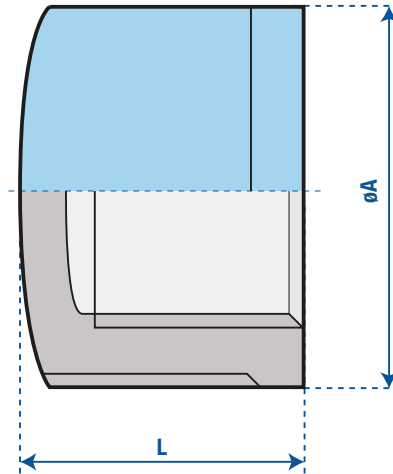
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Actuation Valve

K-010A

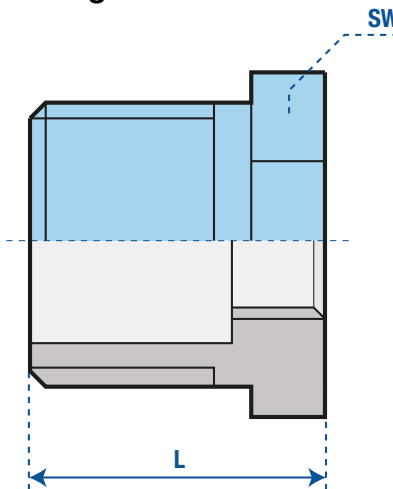
Round End Cap



SIZE	ϕA	L
1/8"	15.5	13
1/4"	19	16.5
3/8"	22.5	17
1/2"	27	21.5
3/4"	32.5	23
1"	40	26.5
1-1/4"	50	29.5
1-1/2"	56.5	29.5
2"	69	34
2-1/2"	86.5	39
3"	100	42.5
4"	126	49

K-09

Hexagon Reducing Bush



SIZE	L	SW
1/4"x1/8"	15.2	16
3/8"x1/8"	16.5	18
3/8"x1/4"	16.5	18
1/2"x1/8"	21	26
1/2"x1/4"	21	26
1/2"x3/8"	21	26
3/4"x1/8"	24	30
3/4"x1/4"	24	30
3/4"x3/8"	24	30
3/4"x1/2"	24	30
1"x1/4"	27	35
1"x3/8"	27	35
1"x1/2"	27	35
1"x3/4"	27	35
1-1/4"x1/4"	30	45

SIZE	L	SW
1-1/4"x3/8"	30	45
1-1/4"x1/2"	30	45
1-1/4"x3/4"	30	45
1-1/4"x1"	30	45
1-1/2"x3/8"	38	52
1-1/2"x1/2"	38	52
1-1/2"x3/4"	38	52
1-1/2"x1"	29.5	50
1-1/2"x1-1/4"	29.5	50
2"x1/2"	36	63
2"x3/4"	36	63
2"x1"	36	63
2"x1-1/4"	34	65
2"x1-1/2"	34	65
2-1/2"x1/2"	45	81

SIZE	L	SW
2-1/2"x1"	45	81
2-1/2"x1-1/4"	45	81
2-1/2"x1-1/2"	36	80
2-1/2"x2"	36	80
3"x1/2"	46.5	80
3"x1"	46.5	94.5
3"x1-1/4"	46.5	94.5
3"x1-1/2"	47	95
3"x2"	40	95
3"x2-1/2"	40	95
4"x1"	51.5	120
4"x1-1/4"	51.5	120
4"x1-1/2"	51.5	120
4"x2"	52	120
4"x2-1/2"	46	120

SIZE	L	SW
4"x3"	46	120
5"x4"	54	140
6"x4"	55	164

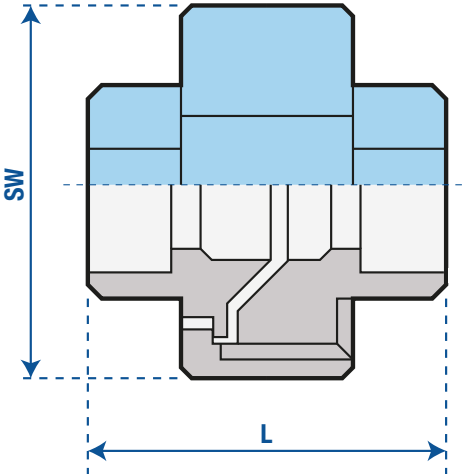


Actuation Valve

K-06

Equal Female Cone Seat Union

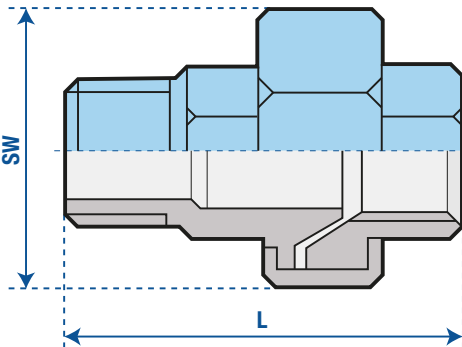
SIZE	L	SW
1/8"	30.5	24
1/4"	34	30
3/8"	37	35
1/2"	40.5	41
3/4"	43	48
1"	50.5	54
1-1/4"	54.5	65
1-1/2"	58.5	72
2"	65.5	88
2-1/2"	76	109
3"	84	122
4"	111	150



K-06B

M/F Cone Seat Union

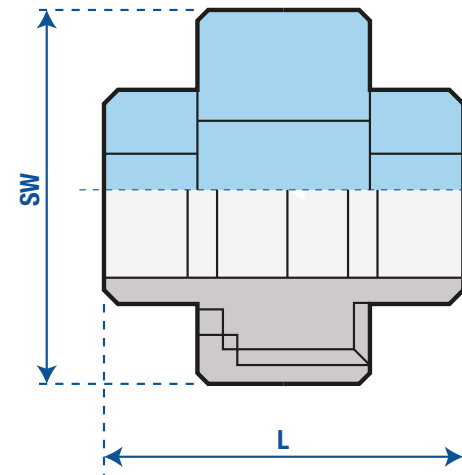
SIZE	L	SW
1/4"	45	30
3/8"	48.5	35
1/2"	55.5	41
3/4"	59	48
1"	69	54
1-1/4"	75.5	65
1-1/2"	79.5	72
2"	91	88
2-1/2"	103.5	109
3"	114.5	122
4"	147.5	150



K-06A

Equal Female Flat Face Union PTFE Gasket

SIZE	L	SW
1/4"	34	30
3/8"	37	35
1/2"	40.5	41
3/4"	43	48
1"	50.5	54
1-1/4"	54.5	65
1-1/2"	58.5	72
2"	65.5	88
2-1/2"	76	109
3"	84	122

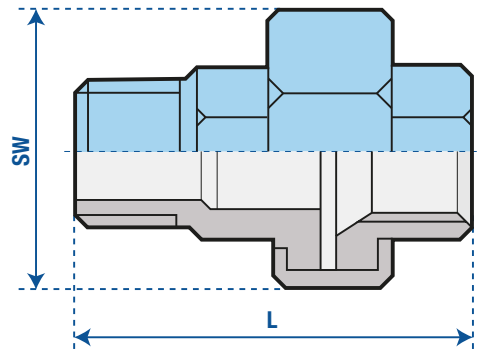




Actuation Valve

K-06C

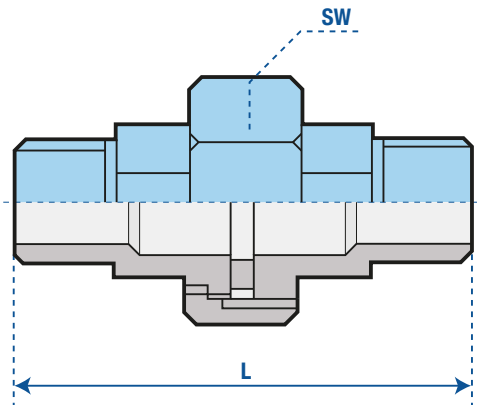
M/F Flat Face Union PTFE Gasket



SIZE	L	SW
1/4"	45	30
3/8"	48.5	35
1/2"	55.5	41
3/4"	59	48
1"	69	54
1-1/4"	75.5	65
1-1/2"	79.5	72
2"	91	88
2-1/2"	103.5	109
3"	114.5	122

K-06K

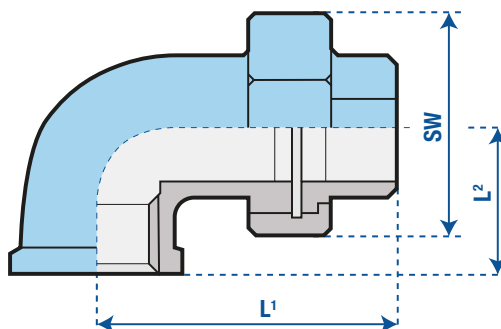
M/M Flat Face Union PTFE Gasket



SIZE	L	SW
1/4"	61	30
3/8"	62.5	35
1/2"	73	42
3/4"	82	47
1"	90	53
1-1/4"	104	71
1-1/2"	109.6	78
2"	118	92

K-014A

Union Elbow Flat Face PTFE Gasket



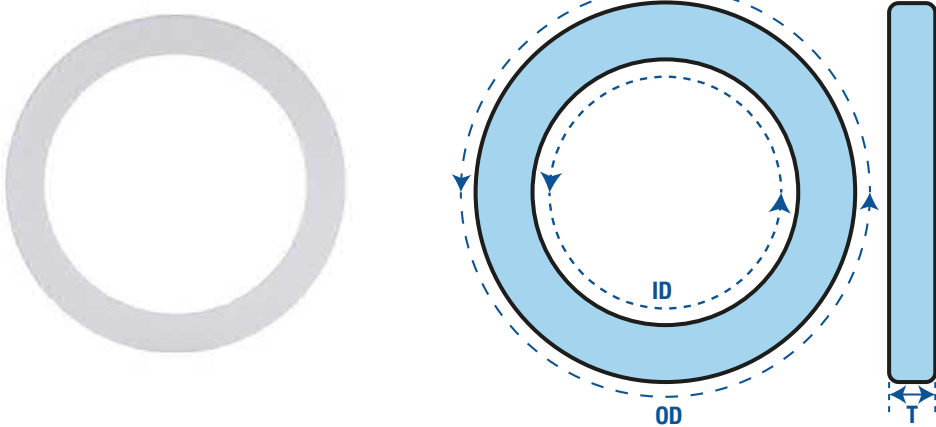
SIZE	L¹	L²	SW
1/4"	46.2	21	30
3/8"	49	25	35
1/2"	56	28	42
3/4"	62.7	33	47
1"	68	38	53
1-1/4"	79.5	45	71
1-1/2"	88	50	78
2"	93.8	58	92



Actuation Valve

K-06G

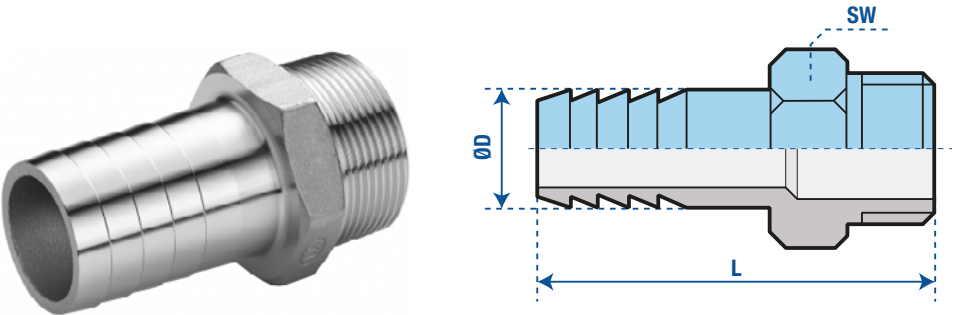
PTFE Union Gasket



SIZE	OD	ID	T
1/4"	23	14	1.5
3/8"	27	17.5	1.5
1/2"	33	22	1.5
3/4"	39	30	1.5
1"	44.5	35.5	1.5
1-1/4"	55	44	1.5
1-1/2"	61.5	49	1.5
2"	76	62	1.5
2-1/2"	93	76.5	1.5
3"	107	87	1.5

K-07D

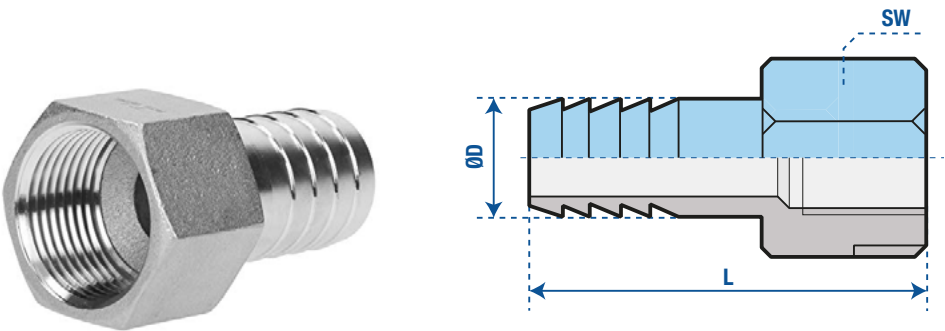
Male Hose Tail



SIZE	ØD	L	SW
1/8"	4	45	12.5
1/4"	6.35	47	16.5
3/8"	9.52	55	20
1/2"	12.7	64	23.5
3/4"	19.05	68	31
1"	25.4	71	38.5
1-1/4"	31.75	80	46
1-1/2"	38.1	95	52
2"	50.8	105	62
2-1/2"	63.5	107	80
3"	76.1	112	91
4"	101.6	130	116.5

K-013

Female Hose Tail

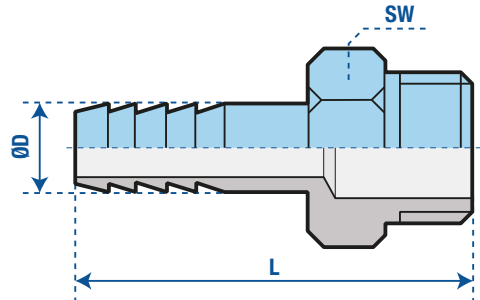


SIZE	ØD	L	SW
1/4"	6.35	42	19
3/8"	9.52	53	22
1/2"	12.7	62	27
3/4"	19.05	63.5	32
1"	25.4	66	38
1-1/4"	31.75	74	50
1-1/2"	38.1	87.5	55.5
2"	50.8	94.5	67.5



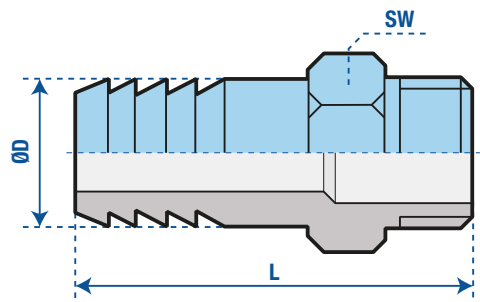
Actuation Valve

K-07DR Male Reducing Hose Tail



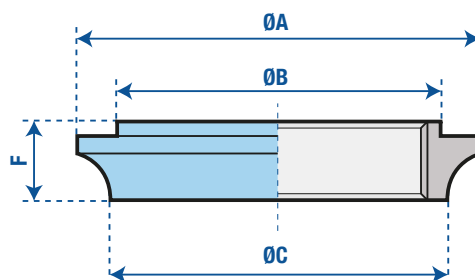
SIZE	ØD	L	SW
1/4"	4	47	16.5
3/8"	6.35	53	20
1/2"	6.35	65	23.5
1/2"	9.52	65	23.5
3/4"	12.7	68	31
1"	12.7	72	38.5
1"	19.05	72	38.5
1-1/4"	25.4	82	46
1-1/2"	25.4	95	52
2"	25.4	106	62
2"	38.1	106	62

K-07DI Male Increasing Hose Tail



SIZE	ØD	L	SW
1/8"	6.35	45	12.5
1/4"	8	47	16.5
1/4"	9.52	47	16.5
1/4"	12.7	47	16.5
3/8"	12.7	55	20
1/2"	16	64	23.5
1/2"	19.05	64	23.5
3/4"	25.4	70	31
1"	31.75	70	38.5
2"	57	100	62

K-016 Welding Spud

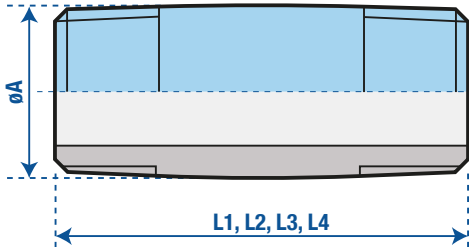


SIZE	ØA	ØB	ØC	F
1/2"	44.5	28.8	27.9	14.9
3/4"	48.5	33.8	33	16.9
1"	56.6	42.9	42	19.7
1-1/4"	65.5	49.1	51.9	19
1-1/2"	71.5	55.5	56.5	20.1
2"	86	68	71	22



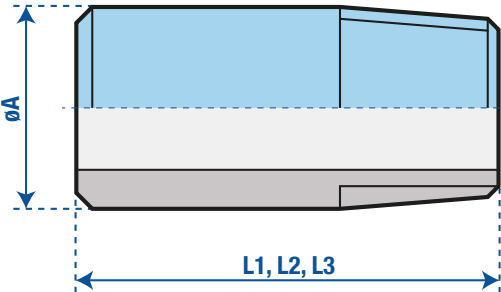
Actuation Valve

K-07BL Extended Barrel Nipple



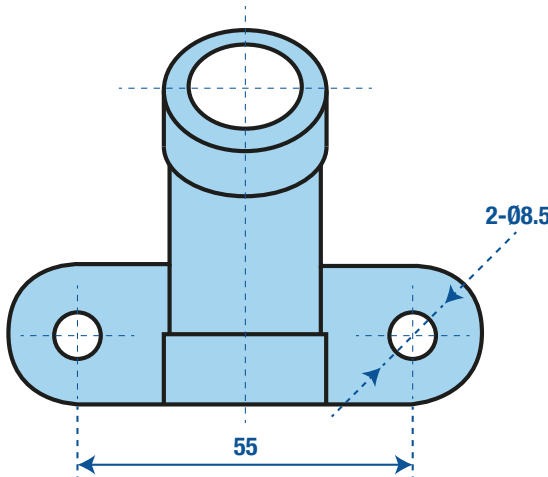
SIZE	ØA	L1	L2	L3	L4
1/8"	10.2	-	100	-	-
1/4"	13.5	75	100	150	200
3/8"	17.2	75	100	150	200
1/2"	21.3	75	100	150	200
3/4"	26.9	75	100	150	200
1"	33.7	75	100	150	200
1-1/4"	42.4	-	100	150	200
1-1/2"	48.3	-	100	150	200
2"	60.3	-	-	150	200

K-07CL Extended Weld Nipple



SIZE	ØA	L1	L2	L3
1/4"	13.5	75	100	150
3/8"	17.2	75	100	150
1/2"	21.3	75	100	150
3/4"	26.9	75	100	150
1"	33.7	75	100	150
1-1/4"	42.4	75	100	150
1-1/2"	48.3	75	100	150
2"	60.3	75	100	150

K-01C Backplate Elbow 90



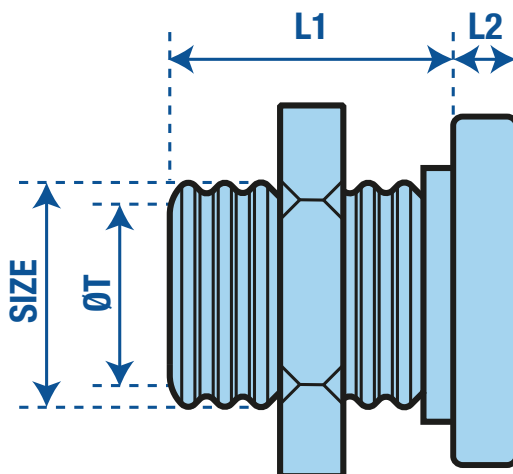
SIZE	Length
1/2"	27.7



Actuation Valve

K-BTC

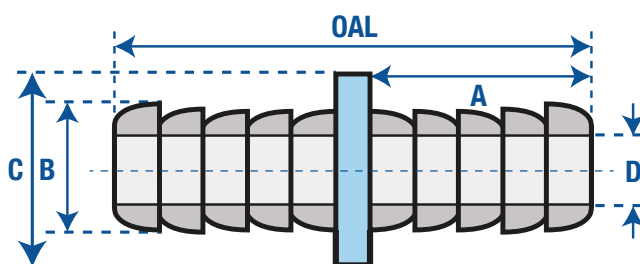
Bulkhead / Tank Connector



SIZE	ØT	L1	L2
1/2"	3/8"	50	10
3/4"	1/2"	50	10
1"	3/4"	50	10
1-1/4"	1"	60	12
1-1/2"	1-1/4"	60	12
2"	1-1/2"	60	12

K-HJ

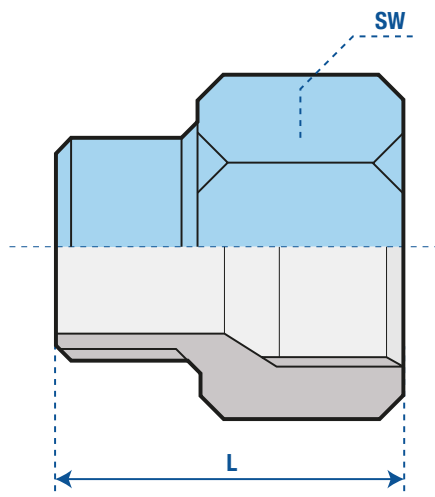
Hose Joiner



SIZE	OAL	A	B	C	D
1/4"	41	18	6.35	9.5	3.5
5/16"	41	18	8	12	5
3/8"	55	25	9.52	15	6
1/2"	65	30	12.7	18	8.5
5/8"	65	30	16	21	12
3/4"	65	30	19.05	25	14
1"	65	30	25.4	31	19

K-017 NT/BP

Equal M/F Hex Adaptor NPT(M) x BSP(F)



SIZE	L	SW
1"	46	38
1-1/4"	49	50
1-1/2"	51	54
2"	57	68

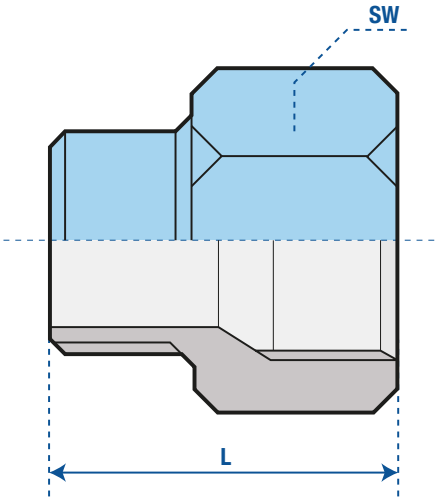
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Actuation Valve

K-017 BT/NT

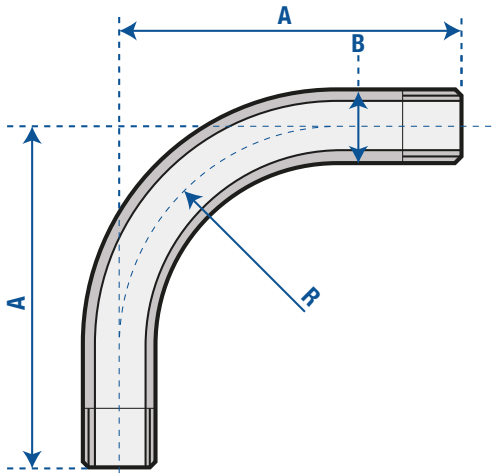
Equal M/F Hex Adaptor BSPT(M) x NPT(F)



SIZE	L	SW
1"	46	38
1-1/4"	49	50
1-1/2"	51	54
2"	57	68

K-07DB

M/M 90 Degree Bend



SIZE	A	B	R
1/2"	106	21.3*2.3	50
3/4"	116	26.6*2.3	60
1"	156	33.4*2.8	80
1-1/4"	161	42.1*2.8	100
1-1/2"	171	48.3*2.8	100
2"	216	60.3*3.3	125