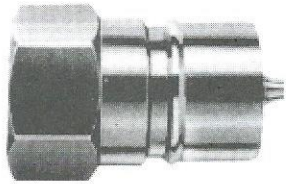
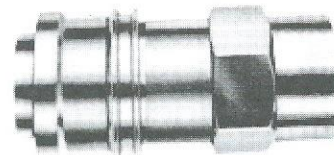
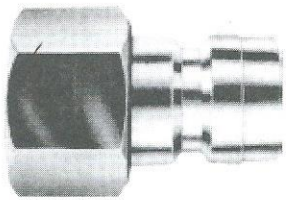


# AVLOK<sup>®</sup> Quick Connect Couplings

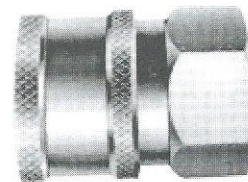
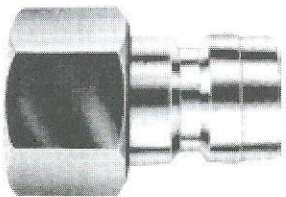
Type AVDV 'DV' : (Double Valve) Two way shut-off valves incorporated into both the Coupler & Adapter



Type AVSV : (Single Valve) One way shut-off valve in Coupler half only



Type AVST : (Through Type) Straight through, valve less both the halves, Coupler & Adapter



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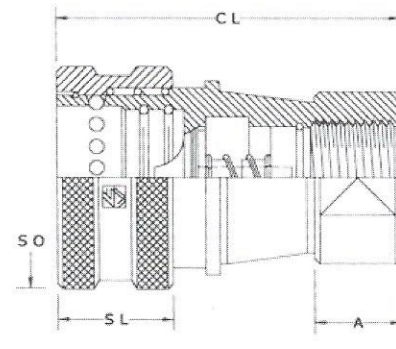
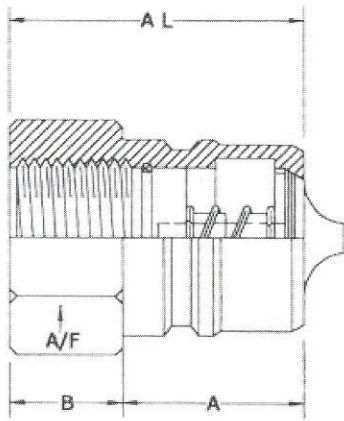
# AVLOK® Quick Connect Couplings

## AVDV

**Type AVDV :** Double valve series couplings, both halves female threaded having valves which operate on the opposed poppet valve principle, valve consists of a spring loaded seat seal with attached valve. A quick pull on the sleeve and the assembly is disconnected, pull again, push the adaptor in coupler half and the unit is connected.

Double valve self sealing couplings seal off at both ends when disconnected is not completely dry, a few CCS of fluid being spilled.

**PRECAUTION :** Can not be connected / disconnected under pressure.



Size Thrds.	A D A P T O R				< + >	C O U P L E R					Wrk. Prss. P S I
	AL	A	B	A.A/F	Coupled Length	CL	A	SO	SL	C.A.F	
1/8"	32	20	12	14.Hex	70	52	13	24	19	18Ø-14.A/F	4000
1/4"	38	25	13	17.Hex	77	60	14	30	20	23Ø-19.A/F	4000
3/8"	40	27	13	22.Hex	80	66	16	38	24	28Ø-24.A/F	3500
1/2"	45	30	15	28.Hex	90	74	18	44	27	35Ø-30.A/F	3500
3/4"	55	35	20	35.Hex	110	88	23	54	30	40Ø-35.A/F	3000
1"	60	37	23	41.Hex	120	95	25	62	32	48Ø-41.A/F	3000
1 1/4"	68	42	26	60Ø-54.A/F	135	110	28	75	36	60Ø-54.A/F	2000
1 1/2"	75	46	29	65Ø-60.A/F	150	120	30	87	40	70Ø-63.A/F	1500
2"	80	51	29	75Ø-70.A/F	160	130	32	100	44	80Ø-72.A/F	1000
2 1/2"	90	56	34	88Ø-82A/F	180	145	38	110	45	92Ø-85.A/F	500
3"	100	57	43	105Ø-97.A/F	200	157	40	125	51	110Ø-103.A/F	500

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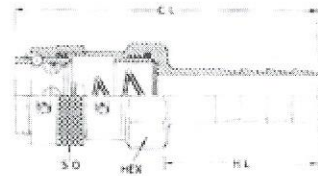
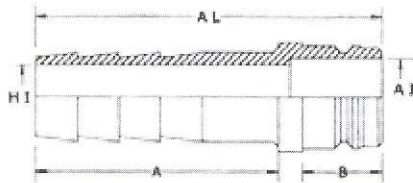
# AVLOK® Quick Connect Couplings

## AVSV

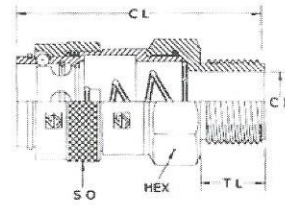
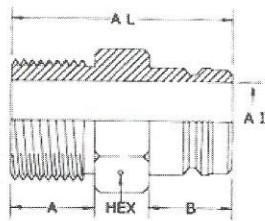
**Type AVSV :** Single valve series couplings, Coupler consists of a spring loaded seat seal with attached valve and adaptor without valve. A quick pull on the sleeve and the assembly is disconnected to connect again push the adaptor without touching coupler sleeve and the unit is connected. It is also ideal for pneumatic tools, air and water piping.

**PRECAUTION :** • Fluid flow direction is from coupler to adaptor and not the vice-versa.

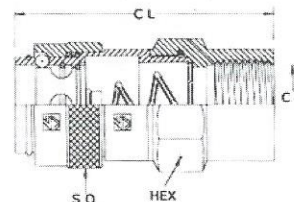
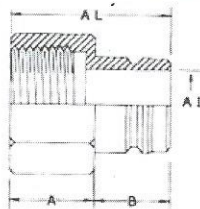
• Can not be connected / disconnected under pressure.



NMnl. Size	AL	AI	HI	A	B	Coupled Length	CL	SO	HL	Hex.	Wrk. Prss. P S I
1/4"	50	06	04	28	18	112	79	25	30	22	1500
3/8"	60	09	07	34	18	133	94	30	48	25	1500
1/2"	74	11	09	45	20	158	108	33	59	28	750
3/4"	89	17	16	55	22	185	123	41	70	35	750
1"	107	23	22	70	23	220	143	48	87	42	500



Thrds. Size	A	B	AL	AI AI	Hex.	Coupled Length	CL	CI	SO	Hex.	TL	Wrk. Prss. P S I
1/4"	12	18	37	06	15	077	64	07	25	22	12	1500
3/8"	14	18	40	09	17	086	73	09	30	25	13	1500
1/2"	16	20	52	11	22	094	79	14	33	28	16	750
3/4"	18	22	58	17	28	101	85	18	41	35	18	750
1"	23	23	65	23	35	118	98	23	48	41	23	500



Thrds. Size	AL	AI	A	B	Coupled Length	CL	SO	Hex.	A	Wrk. Prss. P S I
1/4"	32	06	14	18	075	60	25	22	20	1500
3/8"	35	09	15	18	085	71	30	25	25	1500
1/2"	40	11	18	20	094	77	33	28	28	750
3/4"	45	17	20	22	101	83	41	35	30	750
1"	55	23	28	23	114	88	48	41	32	500

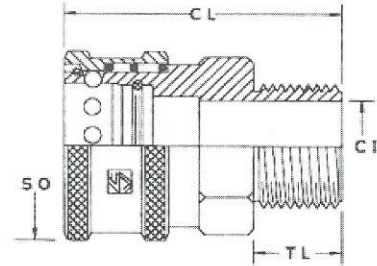
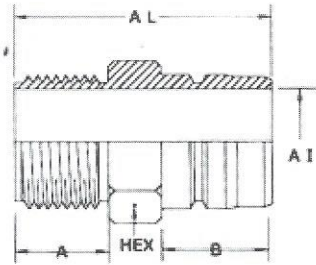
All dimensions are for reference only, and are subject to change without prior notice.

Sizes and types other than those featured above are available on request.

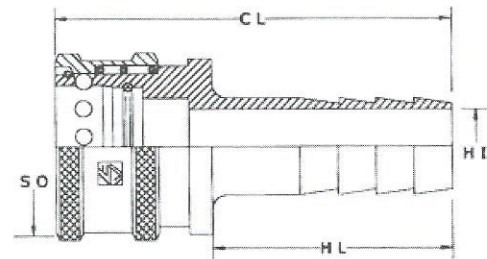
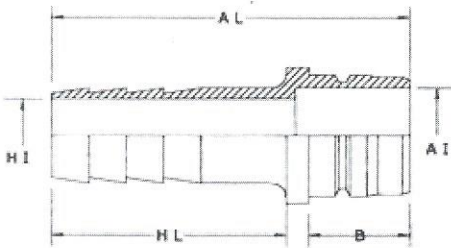
# AVLOK® Quick Connect Couplings

## AVST

**Type AVST :** Through type series couplings, Coupler & Adaptor both halves does not have valve mechanism. This one has a full flow straight through capacity because it is without valves. To disconnect pull the sleeve as well as the adaptor and to connect again pull the sleeve and push the adaptor.



N Mnl. Size	A	B	AL	AI	Hex.	Coupled Length	CL	CI	SO	TL	Wrk. Prss.		
											P	S	I
1/4"	12	18	38	06	16	065	45	06	23	12	1500		
3/8"	14	21	43	10	19	070	48	10	28	14	1500		
1/2"	18	22	50	13	22	090	62	13	35	18	1000		
3/4"	19	25	57	19	28	100	68	19	44	19	1000		
1"	23	26	63	25	35	113	76	25	50	23	750		
1 1/4"	25	38	80	32	41	127	85	32	68	25	750		
1 1/2"	26	42	85	38	50	138	95	38	75	26	750		
2"	27	42	88	50	61	146	100	50	83	27	500		
2 1/2"	28	45	92	63	75	157	110	63	99	28	500		
3"	30	50	100	76	98	185	135	76	119	30	500		

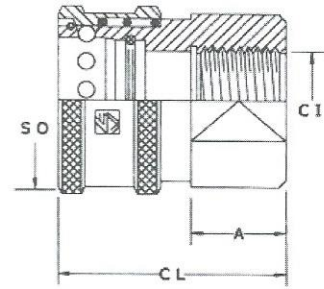
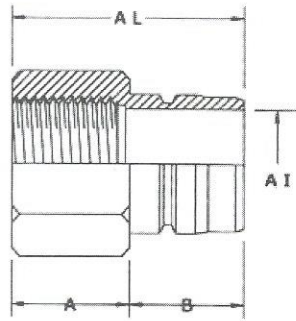


N Mnl. Size	HL	B	AL	AI	HI	Coupled Length	HL	SO	CL	HI	Wrk. Prss.		
											P	S	I
1/4"	30	18	52	06	04	095	30	23	60	04	1500		
3/8"	38	21	63	10	07	111	38	28	68	07	1500		
1/2"	45	22	72	13	09	131	45	35	80	09	1000		
3/4"	50	25	80	19	16	146	50	44	90	16	1000		
1"	63	26	95	25	22	174	63	50	105	22	750		
1 1/4"	70	38	115	32	28	207	70	68	130	28	750		
1 1/2"	75	42	124	38	32	220	75	75	138	32	750		
2"	80	42	130	50	45	233	80	83	145	45	500		
2 1/2"	85	45	140	63	55	252	85	99	157	55	500		
3"	100	50	160	76	68	280	100	119	170	68	500		

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 Sizes and types other than those featured above are available on request.

# AVLOK® Quick Connect Couplings

## AVST



Thrds. Size	A	B	AL	AI	Coupled Length	CL	CI	SO	A	Wrk. Prss. P S I
1/4"	16	18	34	06	054	38	06	23	16	1500
3/8"	17	21	38	10	059	42	10	28	17	1500
1/2"	18	22	40	13	066	48	13	35	18	1000
3/4"	22	25	47	19	078	56	19	44	22	1000
1"	28	26	54	25	090	62	25	50	24	750
1 1/4"	30	38	68	32	102	72	32	68	25	750
1 1/2"	31	42	73	38	109	78	38	75	26	750
2"	32	42	74	50	112	80	50	83	28	500
2 1/2"	40	45	85	63	132	92	63	99	35	500
3"	42	50	92	76	145	103	76	119	38	500

### FEATURES :

**Operation :** The sliding sleeve on the coupler is pulled back, the adaptor is inserted, then the sleeve is pushed forward to make the connection. The seal is made by poppet valves in each component, which close during the disconnection cycle.

**Specification :** All our Quick Release couplings are in accordance with our manufacturing standard and generally not interchangeable with other couplings manufacturer's.

**Thread of Couplings:** All the quick Release couplings are available in BSP/NPT standards (Male or Female). Other threadings can be manufactured if required as per your standard.

### AT A GLANCE:

AVI has been the confident supplier of Camlock and Quick disconnect couplings to various industries. AVI Quick disconnect couplings are standard for on various Hose application which needed frequent takedown and service. This advantage plus proven reliability make AVLOK Quick disconnect couplings **THE MARKET LEADER.**

R & D has always been and continues to be an important activity of AVLOK. Many other developments and product variations result in the most complete line of House connections for the largest variety of fluids and applications offered by any other manufacturer.

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## PROPERTIES & PHYSICAL FEATURES

These couplings are manufactured in various metals, with different end connections like, Female / Male Threaded, Hose Shank, Flange End, Socket / Butt Weld End.

### METALS OF ASSEMBLY

BODY	BALLS	SPRINGS	VALVES
Brass	SS.304	SS.304	Brass
SS.304	SS.304	SS.304	SS.304
SS.316	SS.316	SS.316	SS.316
Carbon Steel	Carbon Steel	SS.	Carbon Steel

### SEAL MATERIAL

Selecting the right seal material depends on which fluid type and temperature range is used listed below. This will greatly influence the life of the couplings. The standard seal material is nitrile rubber.

RUBBER	OPERATING TEMPERATURE	RECOMMENDED APPLICATION
NITRILE	-20°C TO +90°C	OIL RESISTANT
NEOPRENE	-20°C TO +100°C	FREON / OZONE RESISTANT
EPDM	-20°C TO +120°C	STEAM RESISTANT
SILICON	-20°C TO +180°C	DRY HEAT
VITON	-20°C TO +220°C	HEAT AND /OR CHEMICAL
TEFLON	-40°C TO +260°C	HIGHTEMPERATURE

### QUALITY CONTROL

Each AVLOK Coupling manufactured goes through stringent quality control, right from the procurement of raw material upto final stage.

### PRECAUTION

- Avoid connecting or disconnecting a coupling under pressure.
- Residual pressure in a coupling may make it difficult to connect. In such a case, do not strike the valve end to depressurize it.
- Improper selection of seal rubber may cause leakage.
- Dust or flaws in the seal may cause leakage.
- Improper selection or improper use of the products can cause personal injury and property damage.

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