VDSERIES

INTERCHANGE > **ISO 14541**

Stucchi®

TECHNICAL FEATURES AND OPTIONS

Interchange
ISO 14541

Sealing description
Nitrile NBR

Connection system
Screw

Available sizes
from 1/4" to 1-1/4"

Material /treatment
Carbon steel /Cr3

Available threads
BSP - METRIC

Operating pressure
Up to 450 bar

Locking mechanism
Screw to connect

Flow rate
Up to 378 L/Min

Temperature (°C)
-20° / +100°

Valving style
Poppet

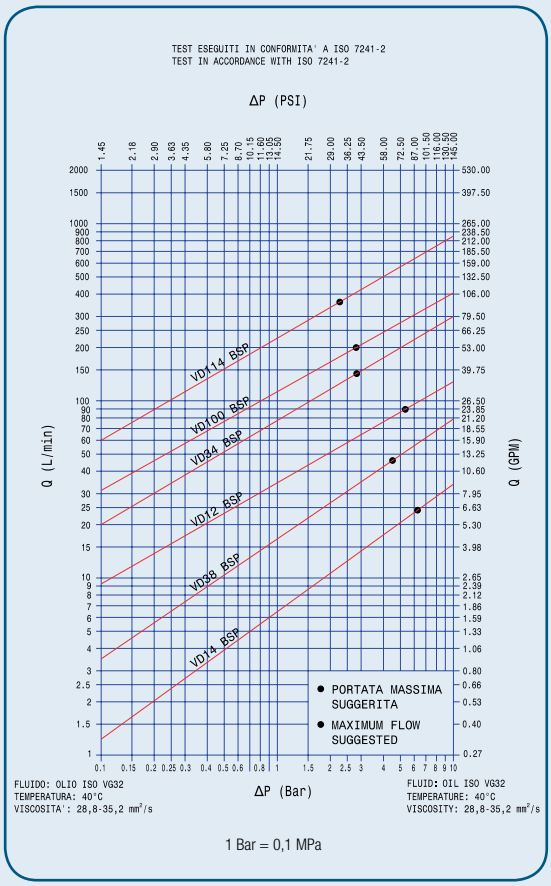
Connection under pressure
Connection: one side
Disconnection: not allowed

BENEFITS

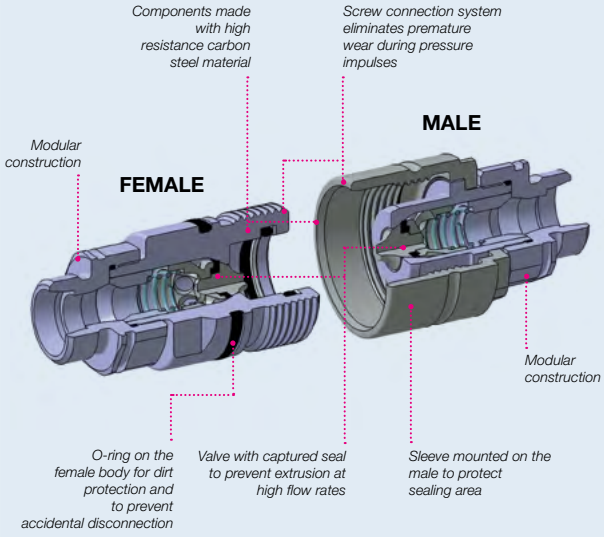
- Connection is allowed with residual pressure in one side of the coupling (max 100 bar in one side)
- The poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected.
- Shape of internal parts is designed to reduce turbulence and pressure drop.
- The modular design allows for broad range of port configurations.
- External o-ring indicates if the product is fully connected, prevent accidental disconnection and protect coupling against dirt.
- Male body sealing surface protected by the threaded sleeve.
- High resistance to pressure impulses.
- Compact design.
- Simple to use.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect insert the male coupling in the female coupling, screw the sleeve till its positive stop, do not push together the couplings, screw only.
- The use of tools for the second part of the connection can be necessary if there is high residual pressure in the circuit.
- Check that the external O-ring is fully covered.
- To disconnect unscrew totally the sleeve from the female coupling.



1 Bar = 0,1 MPa



MAIN APPLICATIONS

OTHER INTERCHANGE

PERFORMANCES

Size		Series/Size	BG	Max. flow suggested		Connect torque*		Disconnect torque*		Spillage**
Inch	mm (ISO)			l/min	GPM	Nm	lbf ft	Nm	lbf ft	ml
1/4	6,3	VD14	1	24	6,36	0,8	0,59	0,5	0,37	0,7
3/8	10	VD38	2	46	12,19	1,0	0,74	0,5	0,37	1
1/2	12,5	VD12	3	90	23,85	1,5	1,11	1,2	0,88	3
3/4	20	VD34	4	148	39,22	2,5	1,84	2,2	1,62	5
1	-	VD100	6	200	53,00	2,7	1,99	2,2	1,62	14
1-1/4	-	VD114	8	378	100,17	5,0	3,69	5,0	3,69	51

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
Inch		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	VD14	45	6525	45	6525	45	6525	160	17400	140	20300	160	20300
3/8	VD38	45	6525	45	6525	45	6525	140	17400	120	17400	140	17400
1/2	VD12	40	5800	40	5800	40	5800	140	17400	120	17400	120	17400
3/4	VD34	40	5800	40	5800	40	5800	100	17400	100	14500	100	17400
1	VD100	30	4350	30	4350	30	4350	100	14500	100	14500	100	14500
1-1/4	VD114	30	4350	30	4350	30	4350	100	14500	100	14500	100	14500

* Connect torque and disconnect torque without residual pressure.
The torque will increase as internal residual pressure increases.
** Spillage is an indicative value of the fluid loss during disconnection (according to ISO 7241-2 test method)

Temperature range:
Standard seals NBR (Nitrile): from -20 °C to +100 °C (from -4 °F to +212 °F).
Please read carefully "instruction and warning" for proper selection of the products.

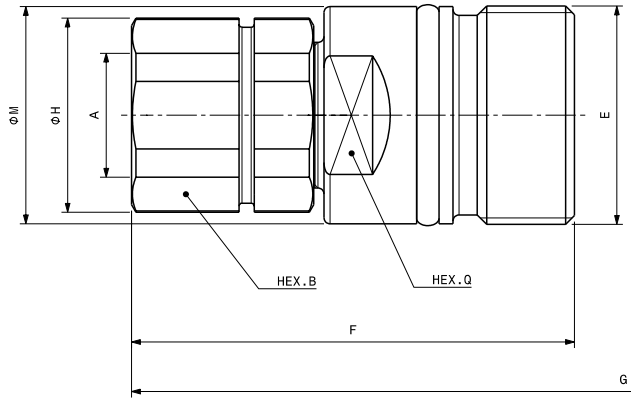
Tests performed:
The couplings have been tested at maximum operating pressure for 500,000 impulses according to ISO 7241-2 test method.

⚠ WARNING

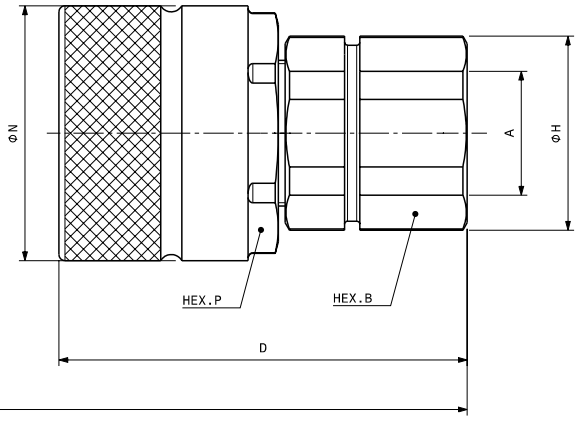
A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects.
Never connect or disconnect with dynamic pressure (e.g. pump on).
Do not couple-uncouple with flow in the circuit.
Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).
Do not use the coupling disconnected with high impulse pressure.
Connect under pressure products are suitable to be connected under residual (static) pressure.
Connection with residual pressure (pressure trapped in the circuit) allowed with other side coupling to drain.
Check the maximum allowable working pressure of the port in use.
Make sure that the medium used is compatible with seal and material as indicated for each series.
In case of doubt please contact Stucchi Technical Support.
The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension.
It is MANDATORY to read and closely follow the instructions. Last updated version always apply at time of installation, see latest written Instructions on Stucchi website (www.stucchi.it) before selecting or using Stucchi products.

OVERALL DIMENSIONS

FEMALE



MALE



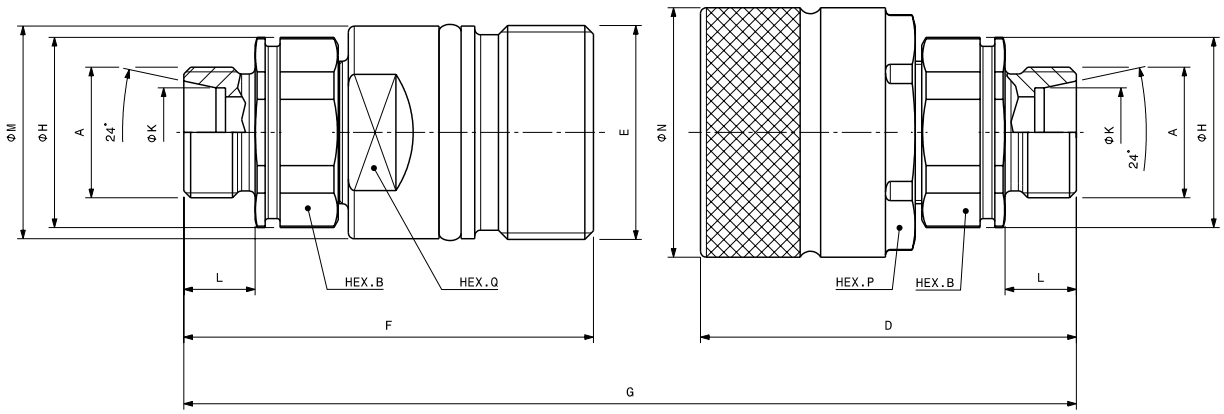
Port description: FEMALE THREAD BSPP (ISO 1179-1)

BODY SIZE	Descriptive Code	Item Code		ISO DN	BG	PORT (A)	E	Overall Length G mm	Overall Length G inch	Length F mm	Length F inch	Hex B mm	Hex B inch	Diameter M mm	Diameter M inch	Hex Q mm	Hex Q inch	Diameter H mm	Diameter H inch	Weight Kg	Weight Lbs
1/4"	F VD14 BSP	Female	809500006	6,3	1	1/4"	M24X2	94,5	3,72	61,7	2,44	19,0	0,75	23,8	0,94	22,0	0,87	21,0	0,83	0,13	0,28
	M VD14 BSP	Male	809500007							58,5	2,31			30,0	1,18	27,0	1,06			0,14	0,31
3/8"	F VD38-14 BSP	Female	809500008	10	2	1/4"	M28X2	99,0	3,90	64,3	2,53	22,0	0,87	27,8	1,09	24,0	0,94	24,0	0,94	0,19	0,41
	M VD38-14 BSP	Male	809500009							61,5	2,43			34,0	1,34	30,0	1,18			0,19	0,41
3/8"	F VD38 BSP	Female	809500010	10	2	3/8"	M28X2	105,0	4,13	67,3	2,65	22,0	0,87	27,8	1,09	24,0	0,94	24,0	0,94	0,19	0,18
	M VD38 BSP	Male	809500011							64,5	2,55			34,0	1,34	30,0	1,18			0,19	0,41
1/2"	F VD12-38 BSP	Female	809500000	12,5	3	3/8"	M36X2	102,6	4,04	68,0	2,68	30,0	1,18	35,8	1,41	30,0	1,18	32,0	1,26	0,35	0,77
	M VD12-38 BSP	Male	809500001							62,3	2,45			42,0	1,65	36,0	1,42			0,30	0,66
1/2"	F VD12 BSP	Female	809500002	12,5	3	1/2"	M36X2	112,6	4,43	73,0	2,87	30,0	1,18	35,8	1,41	30,0	1,18	32,0	1,26	0,34	0,74
	M VD12 BSP	Male	809500003							67,3	2,65			42,0	1,65	36,0	1,42			0,29	0,63
3/4"	F VD34-12 BSP	Female	809500014	20	4	1/2"	M42X2	117,5	4,63	79,4	3,13	36,0	1,42	41,8	1,65	36,0	1,42	40,0	1,57	0,54	1,19
	M VD34-12 BSP	Male	809500015							69,9	2,76			49,5	1,89	46,0	1,81			0,48	1,05
3/4"	F VD34 BSP	Female	809500016	20	4	3/4"	M42X2	129,3	5,09	85,3	3,36	36,0	1,42	41,8	1,65	36,0	1,42	40,0	1,57	0,55	1,21
	M VD34 BSP	Male	809500017							75,8	2,99			49,5	1,89	46,0	1,81			0,43	0,95
1"	F VD100-34 BSP	Female	809500018	25	6	3/4"	48X3 SP*	139,7	5,50	95,5	3,76	41,0	1,61	47,8	1,88	41,0	1,61	45,0	1,77	0,75	1,64
	M VD100-34 BSP	Male	809500019							79,0	3,11			60,0	2,17	55,0	1,97			0,65	1,43
1"	F VD100 BSP	Female	809500020	25	6	1"	48X3 SP*	150,7	5,93	101,0	3,98	41,0	1,61	47,8	1,88	41,0	1,61	45,0	1,77	0,74	1,63
	M VD100 BSP	Male	809500021							84,5	3,33			60,0	2,17	55,0	1,97			0,64	1,41
1-1/4"	F VD114 BSP	Female	809500022	31,5	8	1 - 1/4"	70X3 SP*	189,0	7,44	117,2	4,61	55,0	2,17	68,5	2,70	65,0	2,56	61,0	2,40	1,70	3,74
	M VD114 BSP	Male	809500023							121,0	4,76			85 CH80 **	3,35 - CH3,15 **	80,0	3,15			2,48	5,46
1-1/4"	F VD114-112 BSP	Female	809500024	31,5	8	1 - 1/2"	70X3 SP*	201,0	7,91	123,2	4,85	55,0	2,17	68,5	2,70	65,0	2,56	61,0	2,40	1,66	3,66
	M VD114-112 BSP	Male	809500025							127,0	5,00			85 CH80 **	3,35 - CH3,15 **	80,0	3,15			2,44	5,38

*SP = SPECIAL THREAD
**HEXAGON SLEEVE

FEMALE

MALE

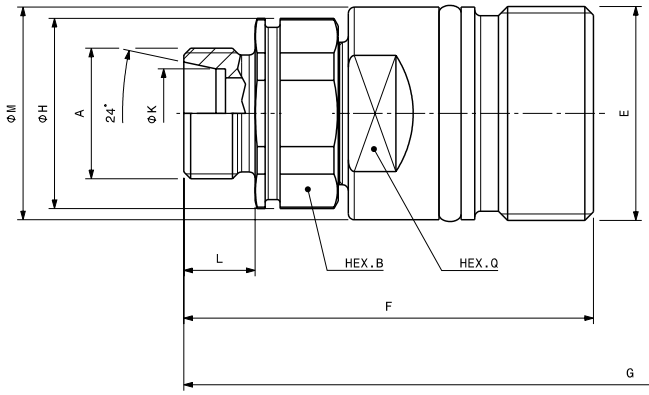


Port description: MALE THREAD METRIC L – 24° CONE (ISO 8434-1 & DIN 2353)

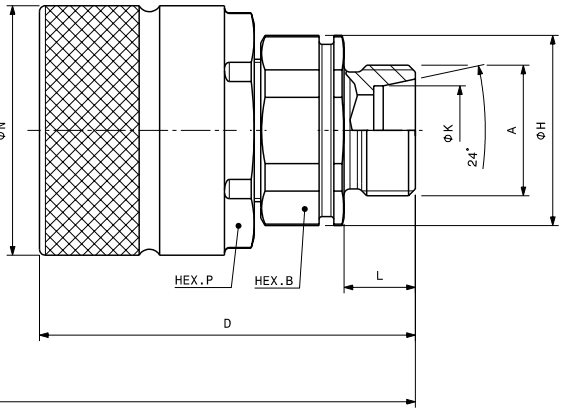
BODY SIZE	Descriptive Code	Item Code	ISO DN	BG	PORT (A)	E	Overall Length mm	Overall Length inch	Length mm	Length inch	Length mm	Length inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Diameter mm	Diameter inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Weight Kg	Weight Lbs
1/4"	F VD14 L8	Female 809508012	6,3	1	M14X1	M24X2	G 90,5	3,56	F 59,7	2,36	L 10,0	0,39	B 19,0	0,75	K 8,0	0,31	M 23,8	0,94	Q 22,0	0,87	H 21,0	0,83	0,10	0,046
	M VD14 L8	Male 809508013							D 56,5	2,23							N 30,0	1,18	P 27,0	1,06			0,10	0,047
3/8"	F VD38 L8	Female 809508014	10	2	M14X1.5	M28X2	G 93,0	3,66	F 61,3	2,41	L 10,0	0,39	B 22,0	0,87	K 8,0	0,31	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,16	0,070
	M VD38 L8	Male 809508015							D 58,5	2,31							N 34,0	1,34	P 30,0	1,18			0,14	0,063
3/8"	F VD38 L10	Female 809508016	10	2	M16X1.5	M28X2	G 95,0	3,74	F 62,3	2,45	L 11,0	0,43	B 22,0	0,87	K 10,0	0,39	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,17	0,07
	M VD38 L10	Male 809508017							D 59,5	2,35							N 34,0	1,34	P 30,0	1,18			0,14	0,06
3/8"	F VD38 L12	Female 809508018	10	2	M18X1.5	M28X2	G 95,0	3,74	F 62,3	2,45	L 11,0	0,43	B 22,0	0,87	K 12,0	0,47	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,14	0,06
	M VD38 L12	Male 809508019							D 59,5	2,35							N 34,0	1,34	P 30,0	1,18			0,14	0,06
1/2"	F VD12 L8	Female 809508002	12,5	3	M14X1.5	M36X2	G 100,6	3,96	F 67,0	2,64	L 10,0	0,39	B 30,0	1,18	K 8,0	0,31	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,12
	M VD12 L8	Male 809508003							D 61,3	2,41							N 42,0	1,65	P 36,0	1,42			0,21	0,10
1/2"	F VD12 L10	Female 809508006	12,5	3	M16X1.5	M36X2	G 102,6	4,04	F 68,0	2,68	L 11,0	0,43	B 30,0	1,18	K 10,0	0,39	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,30	0,13
	M VD12 L10	Male 809508007							D 62,3	2,45							N 42,0	1,65	P 36,0	1,42			0,21	0,10
1/2"	F VD12 L12	Female 809508000	12,5	3	M18X1.5	M36X2	G 102,6	4,04	F 68,0	2,68	L 11,0	0,43	B 30,0	1,18	K 12,0	0,47	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,12
	M VD12 L12	Male 809508001							D 62,3	2,45							N 42,0	1,65	P 36,0	1,42			0,21	0,10
1/2"	F VD12 L15	Female 809508004	12,5	3	M22X1.5	M36X2	G 104,6	4,12	F 69,0	2,72	L 12,0	0,47	B 30,0	1,18	K 15,0	0,59	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,12
	M VD12 L15	Male 809508005							D 63,3	2,49							N 42,0	1,65	P 36,0	1,42			0,21	0,10
1/2"	F VD12 L18	Female 809508008	12,5	3	M26X1.5	M36X2	G 104,6	4,12	F 69,0	2,72	L 12,0	0,47	B 30,0	1,18	K 18,0	0,71	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,27	0,12
	M VD12 L18	Male 809508009							D 63,3	2,49							N 42,0	1,65	P 36,0	1,42			0,22	0,10
3/4"	F VD34 L12	Female 809508022	20	4	M18X1.5	M42X2	G 116,5	4,59	F 78,9	3,11	L 11,0	0,43	B 36,0	1,42	K 12,0	0,47	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,40	0,18
	M VD34 L12	Male 809508023							D 69,4	2,74							N 49,5	1,95	P 46,0	1,61			0,34	0,15
3/4"	F VD34 L15	Female 809508024	20	4	M22X1.5	M42X2	G 118,5	4,67	F 79,9	3,15	L 12,0	0,47	B 36,0	1,42	K 15,2	0,60	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,40	0,18
	M VD34 L15	Male 809508025							D 70,4	2,78							N 49,5	1,95	P 46,0	1,61			0,34	0,15
3/4"	F VD34 L18	Female 809508026	20	4	M26X1.5	M42X2	G 120,5	4,74	F 80,9	3,19	L 12,0	0,47	B 36,0	1,42	K 18,2	0,72	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,18
	M VD34 L18	Male 809508027							D 71,4	2,81							N 49,4	1,89	P 46,0	1,61			0,34	0,15
3/4"	F VD34 L22	Female 809508028	20	4	M30X2	M42X2	G 122,5	4,82	F 81,9	3,23	L 14,0	0,55	B 36,0	1,42	K 22,0	0,87	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,18
	M VD34 L22	Male 809508029							D 72,4	2,85							N 49,5	1,95	P 46,0	1,61			0,34	0,15
1"	F VD100 L18	Female 809508030	25	6	M26X1,5	Rd 48X3 SP*	G 138,7	5,46	F 95,0	3,74	L 12,0	0,47	B 41,0	1,61	K 18,0	0,71	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,70	0,32
	M VD100 L18	Male 809508031							D 78,5	3,09							N 60,0	2,36	P 55,0	2,16			0,59	0,27
1"	F VD100 L22	Female 809508032	25	6	M30X2	Rd 48X3 SP*	G 142,7	5,62	F 97,0	3,82	L 14,0	0,55	B 41,0	1,61	K 22,2	0,87	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,70	0,32
	M VD100 L22	Male 809508033							D 80,5	3,17							N 60,0	2,36	P 55,0	2,16			0,60	0,27
1"	F VD100 L28	Female 809508034	25	6	M36X2	Rd 48X3 SP*	G 142,7	5,62	F 97,0	3,82	L 14,0	0,55	B 41,0	1,61	K 28,2	1,11	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,70	0,32
	M VD100 L28	Male 809508035							D 80,5	3,17							N 60,0	2,36	P 55,0	2,16			0,60	0,27
1"	F VD100 L35	Female 809508036	25	6	M45X2	Rd 48X3 SP*	G 146,7	5,78	F 99,0	3,90	L 16,0	0,63	B 46,0	1,81	K 35,3	1,39	M 47,8	1,88	Q 41,0	1,61	H 50,0	1,97	0,78	0,35
	M VD100 L35	Male 809508037							D 82,5	3,25							N 60,0	2,36	P 55,0	2,16			0,68	0,31

* SP = SPECIAL THREAD

FEMALE



MALE

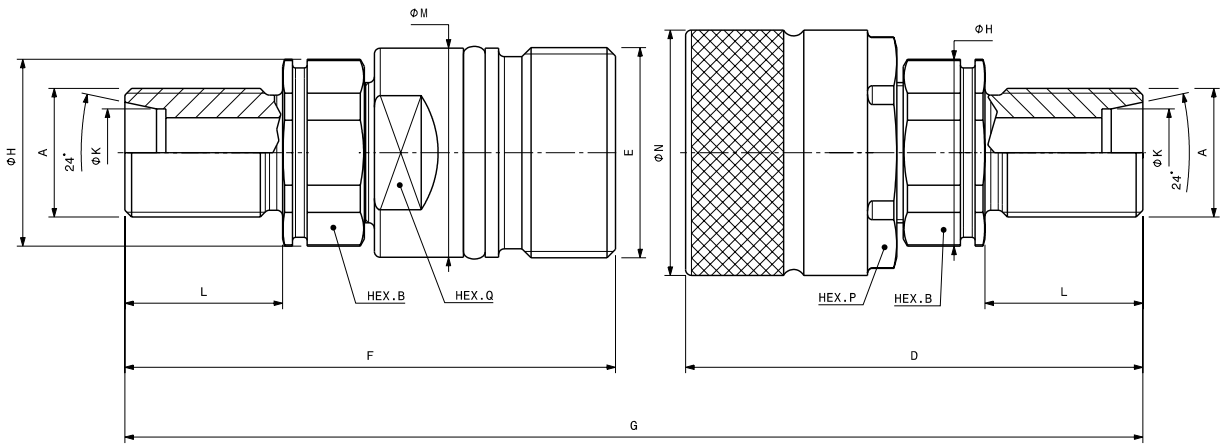


Port description: MALE THREAD METRIC S – 24° CONE (ISO 8434-1 & DIN 2353)

BODY SIZE	Descriptive Code	Item Code	ISO DN	BG	PORT (A)	E	Overall Length mm	Overall Length inch	Length mm	Length inch	Length mm	Length inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Diameter mm	Diameter inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Weight Kg	Weight Lbs
3/8"	F VD38 S8	Female -	10	2	M16X1.5	M28X2	G -	-	F -	-	L 12,0	0,47	B 22,0	0,87	K 8,0	0,31	M -	-	Q -	-	H 24,0	0,94	-	-
	M VD38 S8	Male 809509013							D 60,5	2,38							N 34,0	1,34	P 30,0	1,18			0,14	0,31
3/8"	F VD38 S10	Female 809509008	10	3	M18X1.5	M28X2	G 97,0	3,82	F 63,3	2,49	L 12,0	0,47	B 22,0	0,87	K 10,0	0,39	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,14	0,31
	M VD38 S10	Male 809509009							D 60,5	2,38							N 34,0	1,34	P 30,0	1,18			0,14	0,31
1/2"	F VD12 S10	Female 809509000	12,5	3	M18X1.5	M36X2	G 104,6	4,12	F 69,0	2,72	L 12,0	0,47	B 30,0	1,18	K 10,0	0,39	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,58
	M VD12 S10	Male 809509001							D 63,3	2,49							N 42,0	1,65	P 36,0	1,42			0,22	0,47
1/2"	F VD12 S12	Female 809509002	12,5	3	M20X1.5	M36X2	G 103,6	4,08	F 69,0	2,72	L 12,0	0,47	B 30,0	1,18	K 12,0	0,47	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,58
	M VD12 S12	Male 809509003							D 63,3	2,49							N 42,0	1,65	P 36,0	1,42			0,21	0,47
1/2"	F VD12 S14	Female 809509004	12,5	3	M22X1.5	M36X2	G -	-	F 71,0	2,80	L 14,0	0,55	B 30,0	1,18	K 14,0	0,55	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,26	0,58
	M VD12 S14	Male 809509005							D 65,3	2,57							N 42,0	1,65	P 36,0	1,42			0,22	0,47
1/2"	F VD12 S16	Female 809509006	12,5	3	M24X1.5	M36X2	G 108,6	4,28	F 71,0	2,80	L 14,0	0,55	B 30,0	1,18	K 16,0	0,63	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,30	0,66
	M VD12 S16	Male 809509007							D 65,3	2,57							N 42,0	1,65	P 36,0	1,42			0,26	0,57
3/4"	F VD34 S16	Female 809509014	20	4	M24X1,5	M42X2	G 122,5	4,82	F 81,9	3,22	L 14,0	0,55	B 36,0	1,42	K 16,0	0,63	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,89
	M VD34 S16	Male 809509015							D 72,4	2,85							N 48,0	1,89	P 46,0	1,81			0,34	0,75
3/4"	F VD34 S20	Female 809509016	20	4	M30X2	M42X2	G 126,5	4,98	F 83,9	3,30	L 16,0	0,63	B 36,0	1,42	K 20,0	0,79	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,90
	M VD34 S20	Male 809509017							D 74,4	2,92							N 48,0	1,89	P 46,0	1,81			0,34	0,75
1"	F VD100 S20	Female 809509018	25	6	M30X2	48X3 SP *	G -	-	F 99,0	3,90	L 16,0	0,63	B 41,0	1,61	K 20,2	0,80	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,72	1,58
	M VD100 S20	Male 809509019							D 82,5	3,25							N 60,0	2,36	P 55,0	2,16			0,61	1,34
1"	F VD100 S25	Female 809509020	25	6	M36X2	48X3 SP *	G 150,7	5,93	F 101,0	3,98	L 18,0	0,71	B 41,0	1,61	K 25,2	0,99	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,74	1,62
	M VD100 S25	Male 809509021							D 84,5	3,33							N 60,0	2,36	P 55,0	2,16			0,63	1,39
1"	F VD100 S30	Female 809509022	25	6	M42X2	48X3 SP *	G 154,7	6,09	F 103,0	4,06	L 20,0	0,79	B 46,0	1,81	K 30,2	1,19	M 47,8	1,88	Q 41,0	1,61	H 50,0	1,97	0,81	1,79
	M VD100 S30	Male 809509023							D 86,5	3,41							N 60,0	2,17	P 55,0	2,16			0,71	1,57
1-1/4"	F VD114 S30	Female 809509026	31,5	8	M42X2	70X3 SP *	G 183,0	7,20	F 114,2	4,50	L 20,0	0,79	B 55,0	2,17	K 30,2	1,19	M 68,5	2,70	Q 65,0	2,56	H 61,0	2,40	1,59	3,50
	M VD114 S30	Male 809509027							D 118,0	4,65							N 65 CH80**	0,55 - CH1,15**	P 80,0	3,15			2,36	5,19
1-1/4"	F VD114 S38	Female 809509028	31,5	8	M52X2	70X3 SP *	G 187,0	7,36	F 116,2	4,57	L 22,0	0,87	B 55,0	2,17	K 38,3	1,51	M 68,5	2,70	Q 65,0	2,56	H 61,0	2,40	1,63	3,59
	M VD114 S38	Male 809509029							D 120,0	4,72							N 65 CH80**	0,55 - CH1,15**	P 80,0	3,15			2,41	5,31

*SP = SPECIAL THREAD
**HEXAGON SLEEVE

FEMALE **MALE**

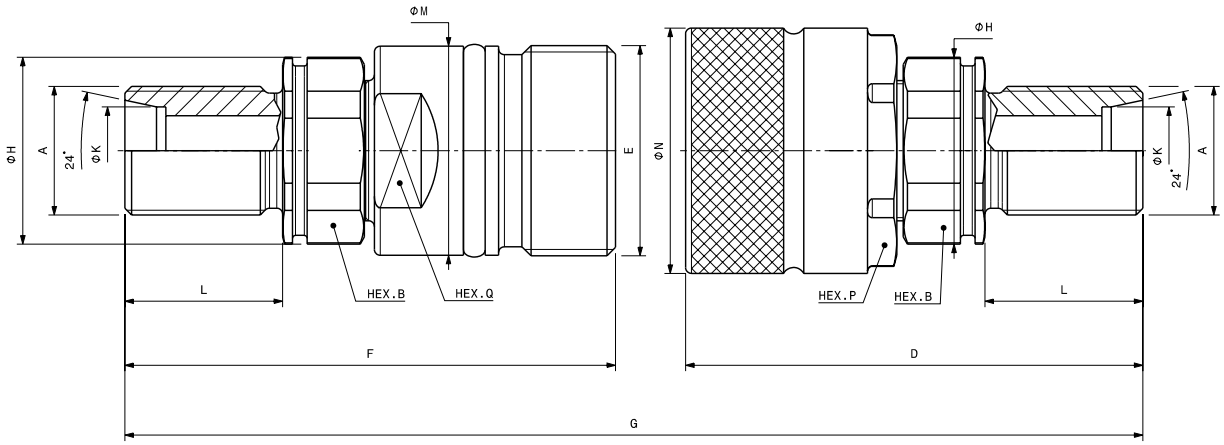


Port description: MALE THREAD METRIC L SCHOTT – 24° CONE BULKHEAD (ISO 8434-1 & DIN 2353)

BODY SIZE	Descriptive Code	Item Code	ISO DN	BG	PORT (A)	E	Overall Length mm	Overall Length inch	Length mm	Length inch	Length mm	Length inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Diameter mm	Diameter inch	Hex mm	Hex inch	Diameter mm	Diameter inch	Weight Kg	Weight Lbs
1/4"	F VD14 L8 SCHOTT	Female 809510012	6,3	1	M14X1.5	M24X2	G -	-	F 74,7	2,94	L 25,0	0,98	B 19,0	0,75	K 8,0	0,31	M 23,8	0,94	Q 22,0	0,87	H 21,0	0,83	0,10	0,23
	M VD14 L8 SCHOTT	Male -							D -	-							N -	-	P -	-			-	-
3/8"	F VD38 L8 SCHOTT	Female 809510014	10	2	M14X1.5	M28X2	G -	-	F 76,3	3,00	L 25,0	0,98	B 22,0	0,87	K 8,0	0,31	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,14	0,31
	M VD38 L8 SCHOTT	Male 809510015							D 73,5	2,89							N 34,0	1,34	P 30,0	1,18			0,14	0,31
3/8"	F VD38 L10 SCHOTT	Female 809510016	10	2	M16X1.5	M28X2	G 125,0	4,92	F 77,3	3,04	L 26,0	1,02	B 22,0	0,87	K 10,0	0,39	M 27,8	1,09	Q 24,0	0,94	H 24,0	0,94	0,17	0,37
	M VD38 L10 SCHOTT	Male 809510017							D 74,5	2,93							N 34,0	1,34	P 30,0	1,18			0,14	0,31
1/2"	F VD12 L10 SCHOTT	Female 809510006	12,5	3	M16X1.5	M36X2	G 132,6	5,22	F 83,0	3,27	L 26,0	1,02	B 30,0	1,18	K 10,0	0,39	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,32	0,69
	M VD12 L10 SCHOTT	Male 809510007							D 77,3	3,04							N 42,0	1,65	P 36,0	1,42			0,22	0,47
1/2"	F VD12 L12 SCHOTT	Female 809510000	12,5	3	M18X1.5	M36X2	G 140,6	5,54	F 87,0	3,43	L 30,0	1,18	B 30,0	1,18	K 12,0	0,47	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,27	0,58
	M VD12 L12 SCHOTT	Male 809510001							D 81,3	3,20							N 42,0	1,65	P 36,0	1,42			0,22	0,48
1/2"	F VD12 L15 SCHOTT	Female 809510004	12,5	3	M22X1.5	M36X2	G 134,6	5,30	F 84,0	3,31	L 27,0	1,06	B 30,0	1,18	K 15,0	0,59	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,27	0,59
	M VD12 L15 SCHOTT	Male 809510005							D 78,3	3,08							N 42,0	1,65	P 36,0	1,42			0,22	0,48
1/2"	F VD12 L18 SCHOTT	Female 809510008	12,5	3	M26X1.5	M36X2	G 134,6	5,30	F 84,0	3,31	L 27,0	1,06	B 30,0	1,18	K 18,0	0,71	M 35,8	1,41	Q 30,0	1,18	H 32,0	1,26	0,27	0,60
	M VD12 L18 SCHOTT	Male 809510009							D 78,3	3,08							N 42,0	1,65	P 36,0	1,42			0,22	0,47
3/4"	F VD34 L15 SCHOTT	Female 809510024	20	4	M22X1.5	M42X2	G 148,5	5,85	F 94,9	3,74	L 27,0	1,06	B 36,0	1,42	K 15,2	0,60	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,90
	M VD34 L15 SCHOTT	Male 809510025							D 85,4	3,36							N 49,5	1,95	P 46,0	1,81			0,34	0,75
3/4"	F VD34 L18 SCHOTT	Female 809510026	20	4	M26X1.5	M42X2	G 150,5	5,93	F 95,9	3,77	L 27,0	1,06	B 36,0	1,42	K 18,0	0,71	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,41	0,91
	M VD34 L18 SCHOTT	Male 809510027							D 86,4	3,40							N 49,5	1,95	P 46,0	1,81			0,35	0,76
3/4"	F VD34 L22 SCHOTT 36	Female 809510028	20	4	M30X2	M42X2	G -	-	F 103,9	4,09	L 36,0	1,42	B 36,0	1,42	K 22,0	0,87	M 41,8	1,65	Q 36,0	1,42	H 40,0	1,57	0,42	0,91
	M VD34 L22 SCHOTT 36	Male 809510029							D 94,4	3,72							N 49,5	1,95	P 46,0	1,81			0,35	0,77
1"	F VD100 L18 SCHOTT 32	Female 809510030	25	6	M26X1,5	48X3 SP*	G 178,7	7,04	F 115,0	4,53	L 32,0	1,26	B 41,0	1,61	K 18,0	0,71	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,74	1,63
	M VD100 L18 SCHOTT 32	Male 809510031							D 98,5	3,88							N 60,0	2,36	P 55,0	2,16			0,64	1,42
1"	F VD100 L22 SCHOTT 32	Female 809510032	25	6	M30X2	48X3 SP*	G 182,7	7,19	F 117,0	4,61	L 34,0	1,34	B 41,0	1,61	K 22,2	0,87	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,76	1,66
	M VD100 L22 SCHOTT 32	Male 809510033							D 100,5	3,96							N 60,0	2,36	P 55,0	2,16			0,65	1,43
1"	F VD100 L28 SCHOTT	Female 809510034	25	6	M36X2	48X3 SP*	G 182,7	7,19	F 117,0	4,61	L 34,0	1,34	B 41,0	1,61	K 28,2	1,11	M 47,8	1,88	Q 41,0	1,61	H 45,0	1,77	0,78	1,71
	M VD100 L28 SCHOTT	Male 809510035							D 100,5	3,96							N 60,0	2,36	P 55,0	2,16			0,67	1,48

*SP = SPECIAL THREAD

FEMALE **MALE**



Port description: MALE THREAD METRIC S SCHOTT – 24° CONE BULKHEAD (ISO 8434-1 & DIN 8353)

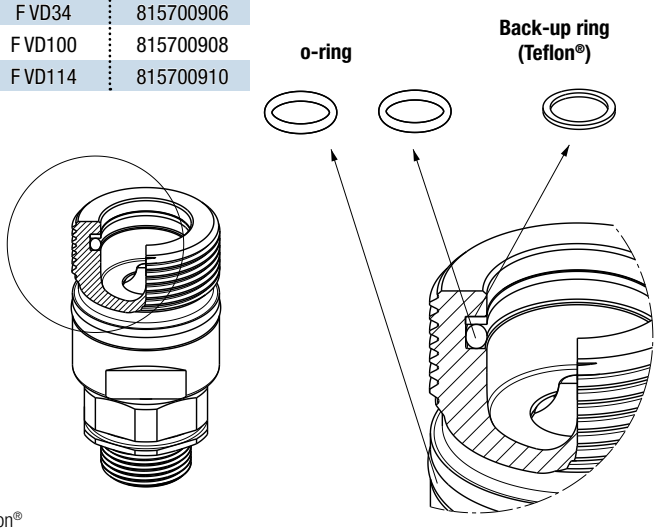
BODY SIZE	Descriptive Code	Item Code		ISO DN	BG	PORT (A)	E	Overall Length			Length			Diameter			Wrench Flat			Diameter			Diameter			Hex			Diameter			Weight	
									mm	inch		mm	inch		mm	inch		mm	inch		mm	inch		mm	inch		mm	inch		mm	inch	Kg	Lbs
3/8"	F VD38 S12 SCHOTT	Female	809511010	10	2	M20X1.5	M28X2	G	-	-	F	78,3	3,08	L	27	1,06	B	22,0	0,87	K	12,0	0,47	M	-	-	Q	-	-	H	24,0	0,94	0,15	0,32
	M VD38 S12 SCHOTT	Male	809511011								D	75,5	2,97										N	34,0	1,34	P	30,0	1,18				0,32	0,71
1/2"	F VD12 S10 SCHOTT	Female	809511000	12,5	3	M18X1.5	M36X2	G	134,6	5,30	F	84,0	3,31	L	27	1,06	B	30,0	1,18	K	10,0	0,39	M	35,8	1,41	Q	30,0	1,18	H	32,0	1,26	0,27	0,59
	M VD12 S10 SCHOTT	Male	809511001								D	78,3	3,08										N	42,0	1,65	P	36,0	1,42				0,59	1,30
1/2"	F VD12 S12 SCHOTT	Female	809511002	12,5	3	M20X1.5	M36X2	G	134,6	5,30	F	84,0	3,31	L	27	1,06	B	30,0	1,18	K	12,0	0,47	M	35,8	1,41	Q	30,0	1,18	H	32,0	1,26	0,27	0,59
	M VD12 S12 SCHOTT	Male	809511003								D	78,3	3,08										N	42,0	1,65	P	36,0	1,42				0,59	1,30
1/2"	F VD12 S16 SCHOTT	Female	809511006	12,5	3	M24X1.5	M36X2	G	138,6	5,46	F	86,0	3,39	L	29	1,14	B	30,0	1,18	K	16,0	0,63	M	35,8	1,41	Q	30,0	1,18	H	32,0	1,26	0,27	0,60
	M VD12 S16 SCHOTT	Male	809511007								D	80,3	3,16										N	42,0	1,65	P	36,0	1,42				0,60	1,31
3/4"	F VD34 S16 SCHOTT	Female	809511014	20	4	M24X1.5	M42X2	G	-	-	F	96,9	3,81	L	29	1,14	B	36,0	1,42	K	16,2	0,64	M	41,8	1,65	Q	36,0	1,42	H	40,0	1,57	0,41	0,90
	M VD34 S16 SCHOTT	Male	-								D	-	-										N	-	-	P	-	-				0,90	1,99
3/4"	F VD34 S20 SCHOTT	Female	809511016	20	4	M30X2	M42X2	G	166,5	6,56	F	103,9	4,09	L	36	1,42	B	36,0	1,42	K	20,0	0,79	M	41,8	1,65	Q	36,0	1,42	H	40,0	1,57	0,42	0,92
	M VD34 S20 SCHOTT	Male	809511017								D	94,4	3,72										N	49,5	1,90	P	46,0	1,81				0,92	2,03
1"	F VD100 S20 SCHOTT	Female	809511018	25	6	M30X2	48X3 SP*	G	190,7	7,51	F	121,0	4,76	L	38	1,50	B	41,0	1,61	K	20,2	0,80	M	47,8	1,88	Q	41,0	1,61	H	45,0	1,77	0,69	1,51
	M VD100 S20 SCHOTT	Male	809511019								D	104,5	4,11										N	60,0	2,36	P	55,0	2,16				1,51	3,33
1"	F VD100 S25 SCHOTT	Female	809511020	25	6	M36X2	48X3 SP*	G	190,7	7,51	F	121,0	4,76	L	38	1,50	B	41,0	1,61	K	25,2	0,99	M	47,8	1,88	Q	41,0	1,61	H	45,0	1,77	0,83	1,83
	M VD100 S25 SCHOTT	Male	809511021								D	104,5	4,11										N	60,0	2,36	P	55,0	2,16				1,83	4,03
1"	F VD100 S30 SCHOTT	Female	809511022	25	6	M42X2	48X3 SP*	G	194,7	7,67	F	123,0	4,84	L	40	1,57	B	46,0	1,81	K	30,2	1,19	M	47,8	1,88	Q	41,0	1,61	H	50,0	1,97	0,94	2,06
	M VD100 S30 SCHOTT	Male	809511023								D	106,5	4,19										N	60,0	2,36	P	55,0	2,16				2,06	4,54
1"	F VD100 S38 SCHOTT	Female	809511024	25	6	M52X2	48X3 SP*	G	-	-	F	123,0	4,84	L	40	1,57	B	55,0	2,17	K	38,3	1,51	M	47,8	1,88	Q	41,0	1,61	H	60,0	2,36	1,16	2,55
	M VD100 S38 SCHOTT	Male	-								D	-	-										N	-	-	P	-	-				2,55	5,61

*SP = SPECIAL THREAD

OTHER INTERCHANGE

SPARE KIT SEAL FOR FEMALE

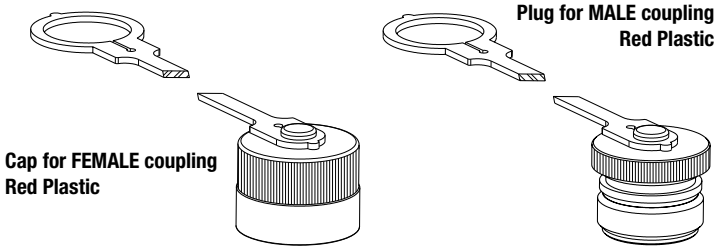
Repair kit / OR+BK		
Body Size	Description	Part Number
1/4”	F VD14	815700900
3/8”	F VD38	815701151
1/2”	F VD12	815700904
3/4”	F VD34	815700906
1”	F VD100	815700908
1-1/4”	F VD114	815700910



O-Ring in NBR
BackUp in Teflon®

PROTECTIVE CAPS FOR VD SERIES

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. This is particularly important in mobile applications where exposure to weather and aggregate materials are common. The protective caps for VD couplings are manufactured in plastic with connection lanyard (standard color red).



Protective Cap				
Body Size/Description		Part Number		Material/Color
		Cap for Female	Plug for Male	
1/4”	VD14	814900000	814900001	Plastic/Red
3/8”	VD38	814900002	814900003	Plastic/Red
1/2”	VD12	814900004	814900005	Plastic/Red
3/4”	VD34	814900006	814900007	Plastic/Red
1”	VD100	814900016	814900017	Plastic/Red
1-1/4”	VD114	814900018	814900019	Plastic/Red

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