VDSERIES

INTERCHANGE > **ISO 14541**



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°C / +100°C

Valving style
Poppet

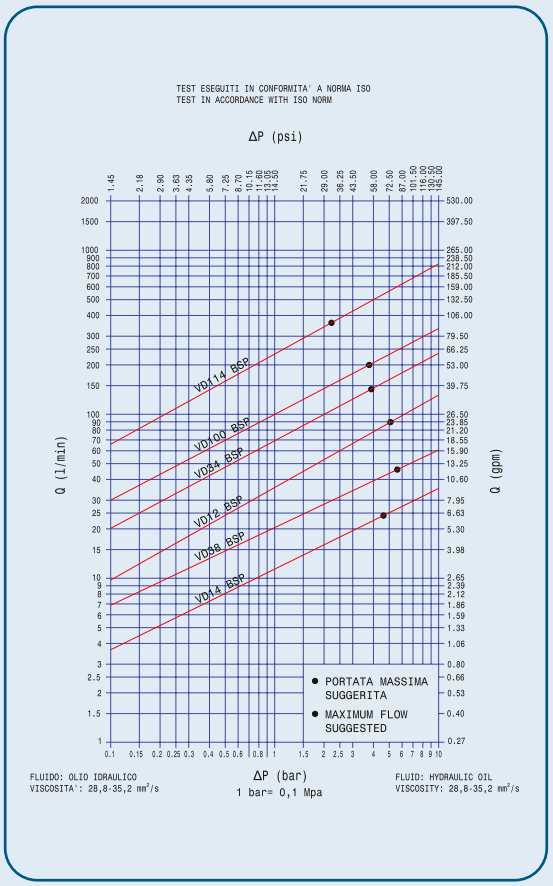
Connection under pressure
Connection: one side
Disconnection: not allowed

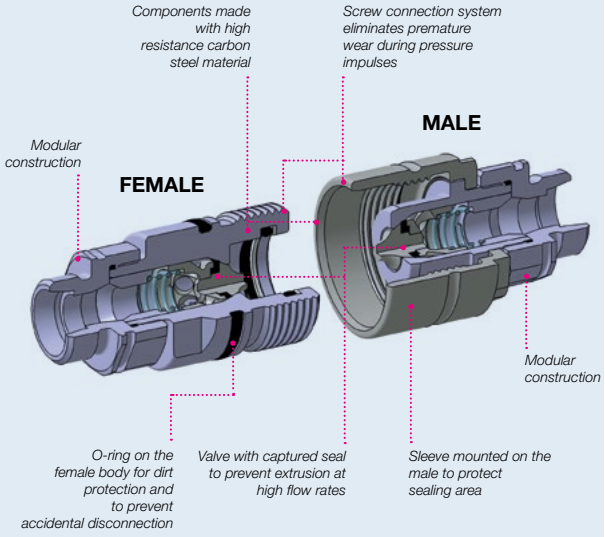
BENEFITS

- Connection is allowed with residual pressure in one side of the coupling (max 10 MPa 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.





MAIN APPLICATIONS



PERFORMANCES

Size		Series/Size	BG	Max. flow suggested		Manual connect torque*		Manual disconnect torque*		Spillage**
in	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	
in		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	14500	100	14500	100	14500
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 norm test method).

Different possible configurations:

Different threads available upon request.

For size 1" and 1-1/4" standard external sleeve is hexagonal; external sleeve rounded with knurling is available upon request.

Temperature range:

Standard seals NBR (Nitrile): from -20 °C to +100 °C (from -4 °F to +212 °F).

Please read carefully Instructions and warnings for proper selection of the products.

Tests performed:

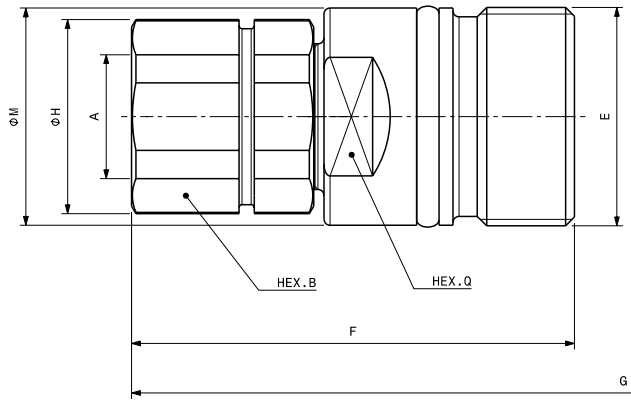
Qualification tests have been performed with hydraulic oil using couplings with NBR (Nitrile) seals.

The max. operating pressure have been verified fo 500.000 impulses according to ISO norm test method.

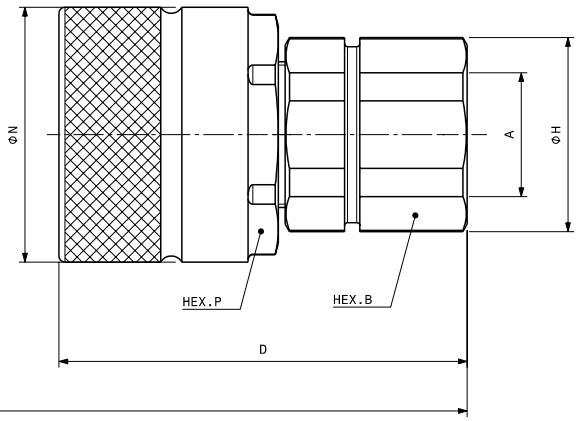
⚠ WARNING

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 carefully read and closely follow the instructions before selecting or using any Stucchi products.
Always refer to the version uploaded in the Instructions and warning section of stucchigroup.com website for the latest release.
For specific, product-related, instructions, please contact Stucchi technical service.

FEMALE



MALE



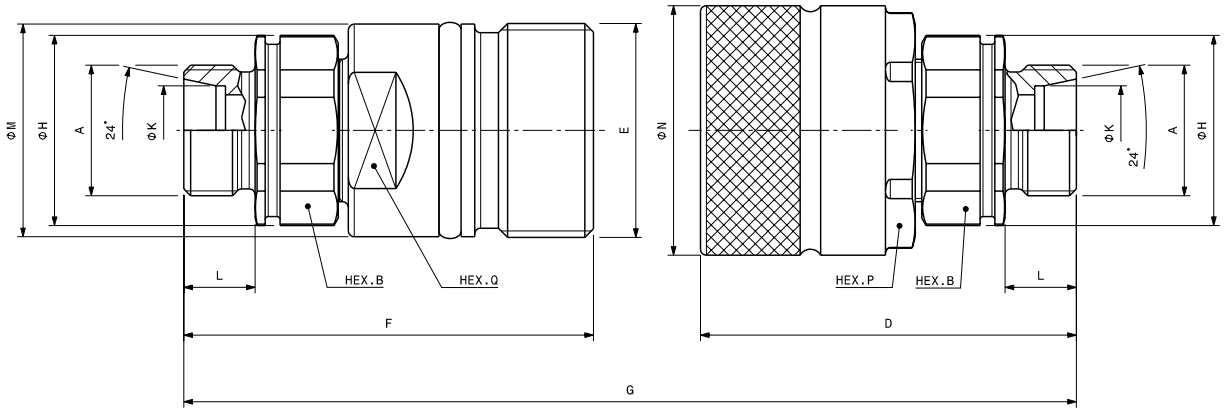
Port description: FEMALE THREAD BSPP (ISO 1179-1)

Body Size	Descriptive Code	Item Code		ISO DN	BG	PORT (A)	E	Overall Length			Length			Hex			Diameter			Hex			Diameter			Weight	
									mm	in		mm	in		mm	in		mm	in		mm	in		mm	in	kg	lb
1/4"	F VD14 BSP	Female	809500006	6,3	1	1/4"	M24X2	G	94,5	3,72	F	61,7	2,44	B	19,0	0,75	M	23,8	0,94	Q	22,0	0,87	H	21,0	0,83	0,13	0,28
	M VD14 BSP	Male	809500007								D	58,5	2,31				N	30,0	1,18	P	27,0	1,06				0,14	0,31
3/8"	F VD38-14 BSP	Female	809500008	10	2	1/4"	M28X2	G	99,0	3,90	F	64,3	2,53	B	22,0	0,87	M	27,8	1,09	Q	24,0	0,94	H	24,0	0,94	0,19	0,41
	M VD38-14 BSP	Male	809500009								D	61,5	2,43				N	34,0	1,34	P	30,0	1,18				0,19	0,41
3/8"	F VD38 BSP	Female	809500010	10	2	3/8"	M28X2	G	105,0	4,13	F	67,3	2,65	B	22,0	0,87	M	27,8	1,09	Q	24,0	0,94	H	24,0	0,94	0,19	0,18
	M VD38 BSP	Male	809500011								D	64,5	2,55				N	34,0	1,34	P	30,0	1,18				0,19	0,41
1/2"	F VD12-38 BSP	Female	809500000	12,5	3	3/8"	M36X2	G	102,6	4,04	F	68,0	2,68	B	30,0	1,18	M	35,8	1,41	Q	30,0	1,18	H	32,0	1,26	0,35	0,77
	M VD12-38 BSP	Male	809500001								D	62,3	2,45				N	42,0	1,65	P	36,0	1,42				0,30	0,66
1/2"	F VD12 BSP	Female	809500002	12,5	3	1/2"	M36X2	G	104,6	4,11	F	65,0	2,56	B	30,0	1,18	M	35,8	1,41	Q	30,0	1,18	H	32,0	1,26	0,34	0,74
	M VD12 BSP	Male	809500003								D	67,3	2,65				N	42,0	1,65	P	36,0	1,42				0,29	0,63
3/4"	F VD34-12 BSP	Female	809500014	20	4	1/2"	M42X2	G	117,5	4,63	F	79,4	3,13	B	36,0	1,42	M	41,8	1,65	Q	36,0	1,42	H	40,0	1,57	0,54	1,19
	M VD34-12 BSP	Male	809500015								D	69,9	2,76				N	49,5	1,89	P	46,0	1,81				0,48	1,05
3/4"	F VD34 BSP	Female	809500016	20	4	3/4"	M42X2	G	129,3	5,09	F	85,3	3,36	B	36,0	1,42	M	41,8	1,65	Q	36,0	1,42	H	40,0	1,57	0,55	1,21
	M VD34 BSP	Male	809500017								D	75,8	2,99				N	49,5	1,89	P	46,0	1,81				0,43	0,95
1"	F VD100-34 BSP	Female	809500018	25	6	3/4"	48X3 SP*	G	139,7	5,50	F	95,5	3,76	B	41,0	1,61	M	47,8	1,88	Q	41,0	1,61	H	45,0	1,77	0,75	1,64
	M VD100-34 BSP	Male	809500019								D	79,0	3,11				N	60 CH 55**	2.36 CH2.16**	P	55,0	2,16				0,65	1,43
1"	F VD100 BSP	Female	809500020	25	6	1"	48X3 SP*	G	150,7	5,93	F	101,0	3,98	B	41,0	1,61	M	47,8	1,88	Q	41,0	1,61	H	45,0	1,77	0,74	1,63
	M VD100 BSP	Male	809500021								D	84,5	3,33				N	60 CH 55**	2.36 CH2.16**	P	55,0	2,16				0,64	1,41
1-1/4"	F VD114 BSP	Female	809500022	31,5	8	1 - 1/4"	70X3 SP*	G	189,0	7,44	F	117,2	4,61	B	55,0	2,17	M	68,5	2,70	Q	65,0	2,56	H	61,0	2,40	1,70	3,74
	M VD114 BSP	Male	809500023								D	121,0	4,76				N	85 CH80 **	3,35 - CH3,15 **	P	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*	G	201,0	7,91	F	123,2	4,85	B	55,0	2,17	M	68,5	2,70	Q	65,0	2,56	H	61,0	2,40	1,66	3,66
	M VD114-112 BSP	Male	809500025								D	127,0	5,00				N	85 CH80 **	3,35 - CH3,15 **	P	80,0	3,15				2,44	5,38

*SP = SPECIAL THREAD
**HEXAGON SLEEVE

FEMALE

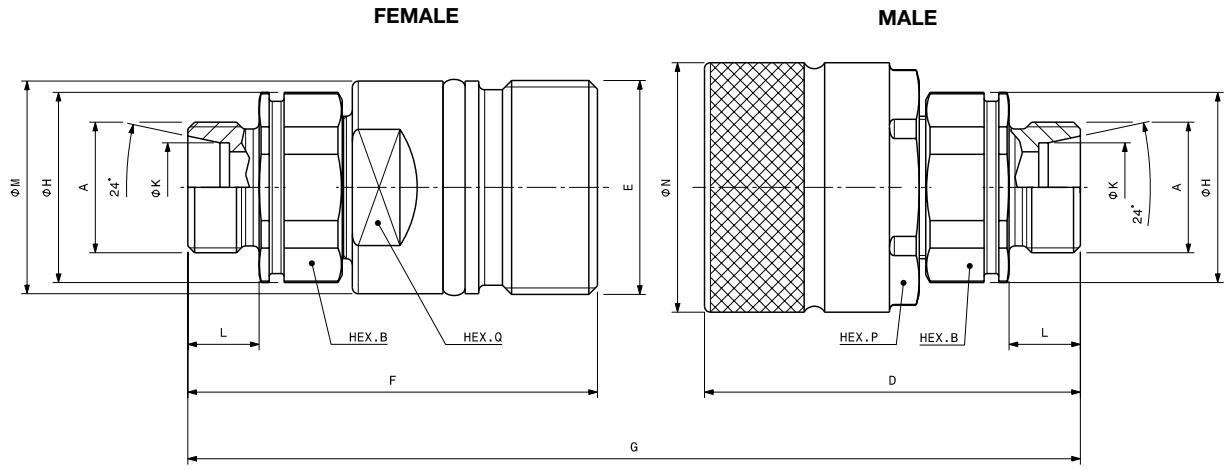
MALE



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			Length			Length			Hex			Diameter			Diameter			Hex			Diameter			Weight	
									mm	in		mm	in		mm	in		mm	in		mm	in		mm	in		mm	in		mm	in	kg	lb
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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	P	55,0	2,16				0,68	0,31

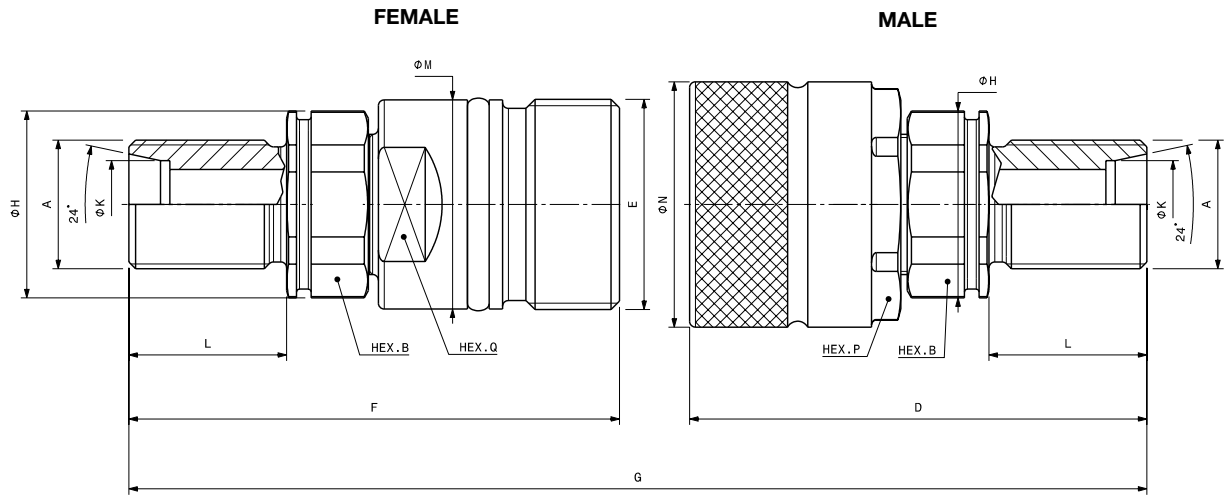
* SP = SPECIAL THREAD



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			Length			Length			Hex			Diameter			Diameter			Hex			Diameter			Weight	
									mm	in		mm	in		mm	in		mm	in		mm	in		mm	in		mm	in		mm	in	kg	lb
3/8"	F VD38 S8	Female	809509012	10	2	M16X1.5	M28X2	G	97,0	3,82	F	63,3	2,49	L	12,0	0,47	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	0,17	0,37
	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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	85 CH80**	3,35 - CH3,15**	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	85 CH80**	3,35 - CH3,15**	P	80,0	3,15				2,41	5,31

*SP = SPECIAL THREAD
**HEXAGON SLEEVE



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 in	Length mm	Length in	Length mm	Length in	Hex mm	Hex in	Diameter mm	Diameter in	Diameter mm	Diameter in	Hex mm	Hex in	Diameter mm	Diameter in	Weight kg	Weight lb
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 809510013 ◆							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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	P 55,0	2,16			0,67	1,48

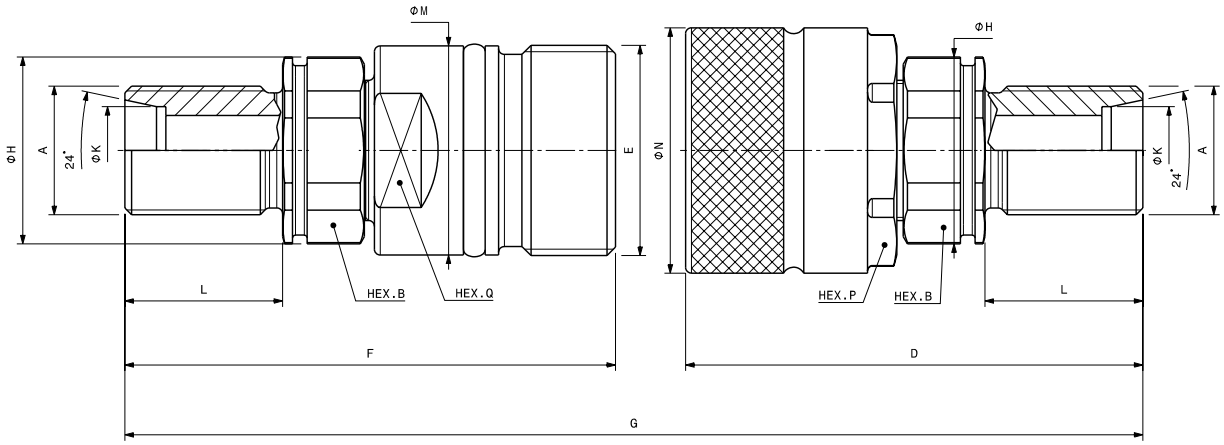
◆ Available upon request.

* SP = SPECIAL THREAD

Locknuts available upon request.

FEMALE

MALE



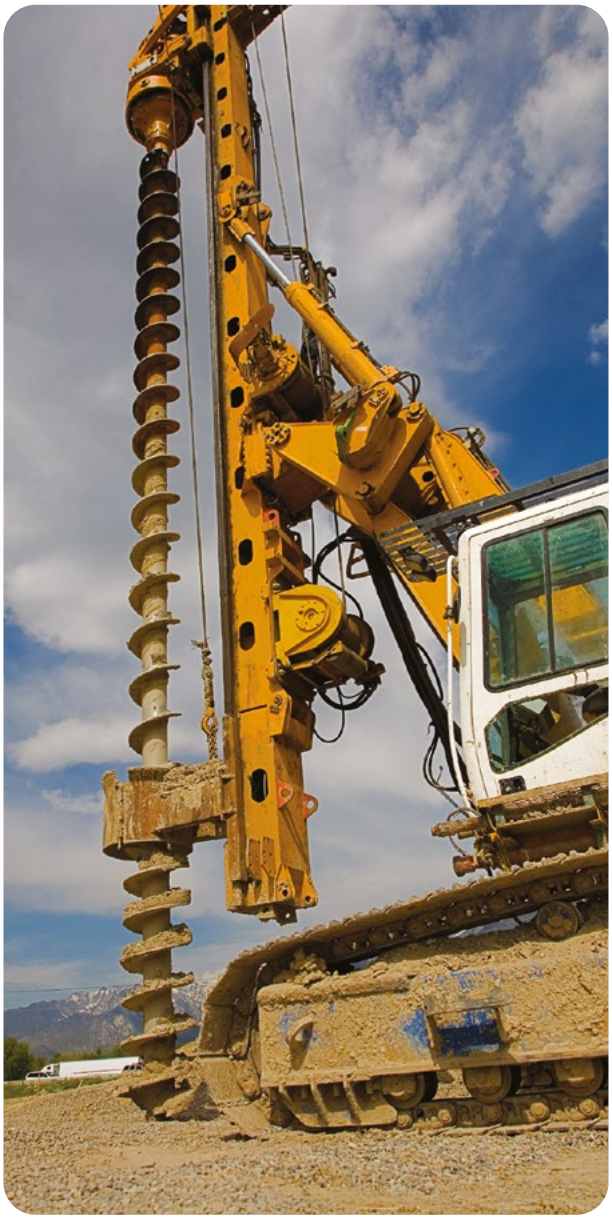
Port description: MALE THREAD METRIC S SCHOTT – 24° CONE BULKHEAD (ISO 8434-1 & DIN 8353)

Body Size	Descriptive Code	Item Code	ISO DN	BG	PORT (A)	E	Overall Length mm	Overall Length in		Length mm	Length in	Diameter mm	Diameter in	Wrench Flat mm	Wrench Flat in	Diameter mm	Diameter in		Diameter mm	Diameter in		Hex mm	Hex in	Diameter mm	Diameter in	Weight kg	Weight lb
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 809511015 ♦								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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 CH 55**	2.36 CH2.16**	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 809511025 ♦								D	-	-										N	-	-	P	-	-				2,55	5,61

*SP = SPECIAL THREAD

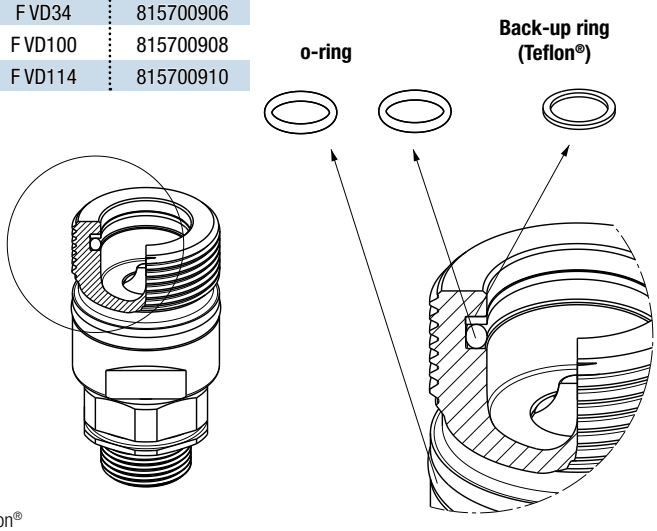
♦Available upon request.

Locknuts available upon request.



SPARE KIT SEAL FOR FEMALE

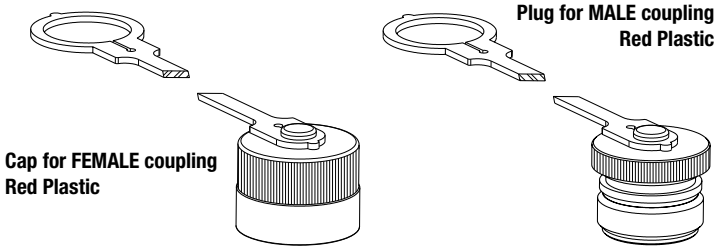
Repair kit / OR+BK		
Body Size	Description	Part Number
1/4”	F VD14	815700900
3/8”	F VD38	815701151
1/2”	F VD12	815700904
3/4”	F VD34	815700906
1”	F VD100	815700908
1-1/4”	F VD114	815700910



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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