



VD SERIES

The VD Series European Screw Coupler uses a poppet style valve as the sealing mechanism and threads as the mechanical connection, to ensure connection under residual pressure. The highly versatile, rugged design with highly visible O-ring connected marker makes the VD ideally suited for heavy-duty service conditions and hydraulic systems experiencing pressure spikes or impulses.

Category: [Threaded Poppet Couplers](#) Tag: [Industry: Mobile](#)

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DESCRIPTION

FEATURES

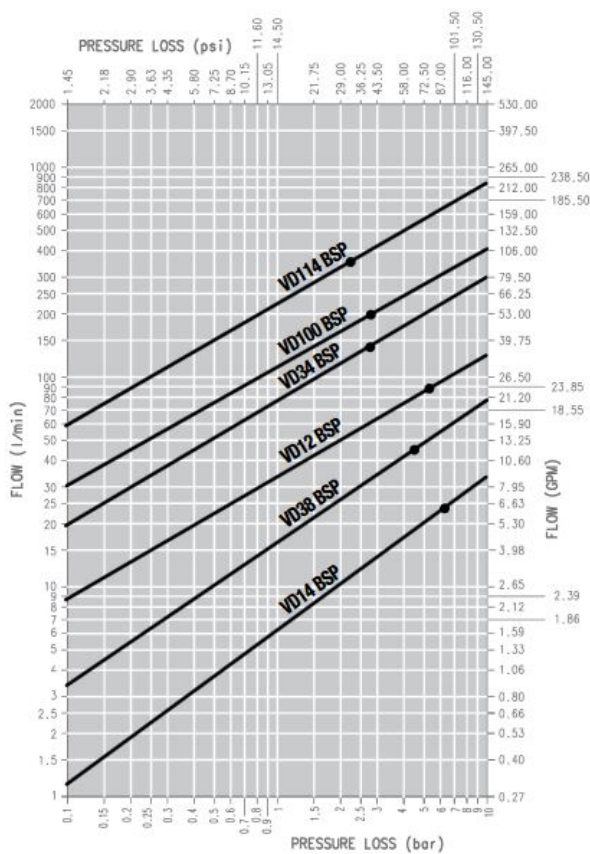
- Size range: 1/4" thru 1 1/4"
- Port options: BSP, NPT, DIN
- Interchangeable with German market couplings
- Hardened valve body for impulse applications and friction ring prevents accidental disconnection
- Internal components purposely designed to reduce turbulence
- Metal shoulder to protect the O-ring seal on female coupling
- Available in 1/4 inch to 1 1/4 inch sizes

APPLICATIONS

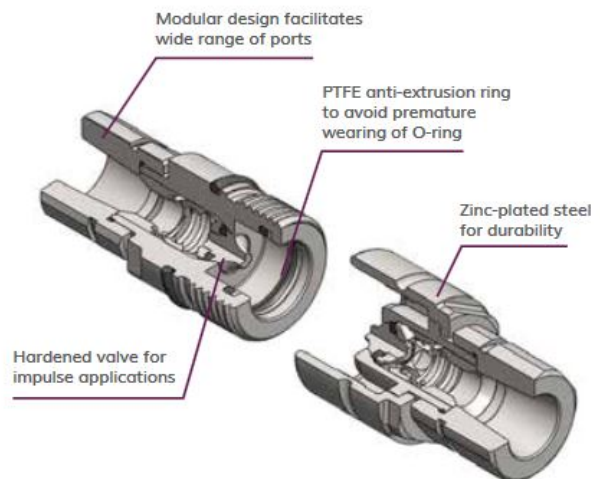
- Ideally suited for hydraulic systems experiencing pressure spikes or impulses
- Serve variety of hydraulic needs in mobile crane, vibratory hammer, oil patch and industrial plant applications
- Suited for heavy-duty service conditions



Pressure Drop



OIL = ISO VG32, TEMP = 40C, VISCOSITY = 28.8-35.2 MM²/S



Performance

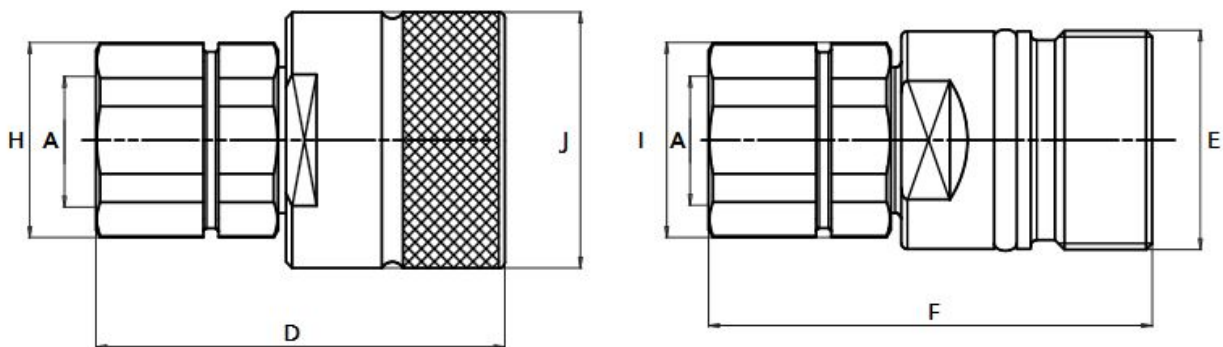
VD14	1/4	45	6527

VD38	3/8	45	6527
VD12	1/2	40	5801
VD34	3/4	40	5801
VD100	1	30	4351
VD114	1 1/4	30	4351

VD Series Accessories Protective Caps and Plugs | Color Red

ORDER CODE			
DESCRIPTION	SIZE	PLUG FOR FEMALE	CAP FOR MALE
VD14	1/4	814900000	814900001
VD38	3/8	814900002	814900003
VD12	1/2	814900004	814900005
VD34	3/4	814900006	814900007
VD100	1	814900008	814900009
VD114	1 1/4	814900010	814900011

Size Diagram



* Hexagon Sleeve

VD38	3/8	3/8	mm	60.7	28	63.3	24	24
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			inch	2.39	1.1	2.49	0.94	0.94
VD12	1/2	1/2	mm	67.3	36	73	32	32
			inch	2.65	1.42	2.87	1.26	1.26
VD34	3/4	3/4	mm	72.5	42	82	40	40
			inch	2.85	1.65	3.23	1.57	1.57
VD100	1	1	mm	82.5	48	99	45	45
			inch	3.25	1.89	3.9	1.77	1.77
VD114	1 1/4	1 1/4	mm	121	70	117.2	61	61
			inch	4.76	2.76	4.61	2.40	2.40

* Hexagon Sleeve

VD BSP Thread Screw Poppet Interchange

PART	BODYSIZE	THREADTYPE	THREADSIZE	PORTTHREAD	ORDER CODE
VD BSP THREAD					
COUPLER	3/8	BSP	1/4	1/4-9	8095000
NIPPLE	3/8	BSP	1/4	1/4-9	8095000
COUPLER	3/8	BSP	3/8	3/8-19	8095000
NIPPLE	3/8	BSP	3/8	3/8-19	8095000
COUPLER	3/8	BSP	3/8	3/8-19	8095000
NIPPLE	3/8	BSP	3/8	3/8-19	8095000
COUPLER	1/2	BSP	3/8	3/8-19	8095000
NIPPLE	1/2	BSP	3/8	3/8-19	8095000

COUPLER	1/2	BSP	1/2	1/2-4	8095000
NIPPLE	1/2	BSP	1/2	1/2-4	8095000
COUPLER	1/2	BSP	1/2	1/2-4	8095000
NIPPLE	1/2	BSP	1/2	1/2-4	8095000
COUPLER	3/4	BSP	1/2	1/2-4	8095000
NIPPLE	3/4	BSP	1/2	1/2-4	8095000
COUPLER	3/4	BSP	3/4	3/4-14	8095000
NIPPLE	3/4	BSP	3/4	3/4-14	8095000
COUPLER	1	BSP	3/4	3/4-14	8095000
NIPPLE	1	BSP	3/4	3/4-14	8095000
COUPLER	1	BSP	1	1-11	8095000
NIPPLE	1	BSP	1	1-11	8095000
COUPLER	1 1/4	BSP	1 1/4	1 1/4-11	8095000
NIPPLE	1 1/4	BSP	1 1/4	1 1/4-11	8095000
COUPLER	1 1/4	BSP	1 1/2	1 1/2-11	8095000
NIPPLE	1 1/4	BSP	1 1/2	1 1/2-11	8095000

VD NPT Thread Screw Poppet Interchange

PART	BODY SIZE	THREAD TYPE	THREAD SIZE	PORT THREAD	ORDER CODE	DESCRIPTION
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VD NPT THREAD

COUPLER	3/8	NPT	1/4	1/4-18	809501008	F. VD38 1/4 NPT
NIPPLE	3/8	NPT	1/4	1/4-18	809501009	M. VD38 1/4 NPT
COUPLER	3/8	NPT	3/8	3/8-18	809501010	F. VD38 3/8 NPT
NIPPLE	3/8	NPT	3/8	3/8-18	809501011	M. VD38 3/8 NPT
COUPLER	1/2	NPT	3/8	3/8-18	809501000	F. VD12 3/8 NPT
NIPPLE	1/2	NPT	3/8	3/8-18	809501001	M. VD12 3/8 NPT
COUPLER	1/2	NPT	1/2	1/2-14	809501002	F. VD12 1/2 NPT
NIPPLE	1/2	NPT	1/2	1/2-14	809501003	M. VD12 1/2 NPT
COUPLER	3/4	NPT	1/2	1/2-14	809501014	F. VD34 1/2 NPT
NIPPLE	3/4	NPT	1/2	1/2-14	809501015	M. VD34 1/2 NPT
COUPLER	3/4	NPT	3/4	3/4-14	809501016	F. VD34 3/4 NPT
NIPPLE	3/4	NPT	3/4	3/4-14	809501017	M. VD34 3/4 NPT
COUPLER	1	NPT	3/4	3/4-14	809501018	F. VD100 3/4 NPT
NIPPLE	1	NPT	3/4	3/4-14	809501019	M. VD100 3/4 NPT
COUPLER	1	NPT	1	1 1/2	809501020	F. VD100 1 NPT
NIPPLE	1	NPT	1	1 1/2	809501021	M. VD100 1 NPT
COUPLER	1 1/4	NPT	1 1/4	1 1/4-11 1/2	809501022	F. VD114 1 1/4 NPT
NIPPLE	1 1/4	NPT	1 1/4	1 1/4-11 1/2	809501023	M. VD114 1 1/4 NPT

COUPLER	1 1/4	NPT	1 1/2	1 1/2-11 1/2	809501024	F. VD114 1 1/2 NPT
NIPPLE	1 1/4	NPT	1 1/2	1 1/2-11 1/2	809501025	M. VD114 1 1/2 NPT

VD DIN Thread SCHOTT (DIN Bulkhead) | Screw Poppet Interchange

BODY PART	THREAD SIZE	PORT TYPE	TUBE SERIES	THREAD OD	SIZE	ORDER CODE	DESC
VD DIN THREAD							
COUPLER	1/2	DIN	FEMALE	22	M22X1.5	809512000	F. VD M2
NIPPLE	1/2	DIN	FEMALE	22	M22X1.5	809512001	M. VD M2
COUPLER	1/2	DIN	L	12	M 18X1.5	809508000	F. VD
NIPPLE	1/2	DIN	L	12	M 18X1.5	809508001	M. VD
COUPLER	1/2	DIN	L	15	M 22X1.5	809508004	F. VD
NIPPLE	1/2	DIN	L	15	M 22X1.5	809508005	M. VD
COUPLER	1/2	DIN	L	18	M 26X1.5	809508008	F. VD
NIPPLE	1/2	DIN	L	18	M 26X1.5	809508009	M. VD
COUPLER	1/2	DIN	L	12	M 18X1.5 SCHOTT	809510000	F. VD SCI
NIPPLE	1/2	DIN	L	12	M 18X1.5 SCHOTT	809510001	M. VD SCI
COUPLER	1/2	DIN	L	15	M 22X1.5 SCHOTT	809510004	F. VD SCI
NIPPLE	1/2	DIN	L	15	M 22X1.5 SCHOTT	809510005	M. VD SCI

COUPLER	3/4	DIN	S	16	M 24X1.5	809509014	F. VD
NIPPLE	3/4	DIN	S	16	M 24X1.5	809509015	M. VD
COUPLER	3/4	DIN	S	16	M 24X1.5 SCHOTT	809511014	F. VD SCI
COUPLER	3/4	DIN	S	20	M 30X1.5 SCHOTT	809511016	F. VD SCI
NIPPLE	3/4	DIN	S	20	M 30X1.5 SCHOTT	809511017	M. VD SCI
COUPLER	3/4	DIN	FEMALE	22	M 22X1.5	809512002	F. VD M2:
NIPPLE	3/4	DIN	FEMALE	22	M 22X1.5	809512003	M. VD M2:
COUPLER	1	DIN	S	20	M 30X2	809509018	F. VD
NIPPLE	1	DIN	S	20	M 30X2	809509019	M. VD
COUPLER	1	DIN	S	25	M 36X2	809509020	F. VD
NIPPLE	1	DIN	S	25	M 36X2	809509021	M. VD
COUPLER	1	DIN	S	30	M 42X2	809509022	F. VD
NIPPLE	1	DIN	S	30	M 42X2	809509023	M. VD
COUPLER	1	DIN	S	20	M 30X2 SCHOTT	809511018	F. VD SCI
NIPPLE	1	DIN	S	20	M 30X2 SCHOTT	809511019	M. VD SCI
COUPLER	1	DIN	S	25	M 36X2 SCHOTT	809511020	F. VD SCI
NIPPLE	1	DIN	S	25	M 36X2 SCHOTT	809511021	M. VD SCI
COUPLER	1	DIN	S	30	M 42X2 SCHOTT	809511022	F. VD SCI
NIPPLE	1	DIN	S	30	M 42X2 SCHOTT	809511023	M. VD SCI
COUPLER	1	DIN	S	38	M 52X2 SCHOTT	809511024	F. VD SCI

COUPLER	1 1/4	DIN	S	38	M 52X2	809509028	F. VD
NIPPLE	1 1/4	DIN	S	38	M 52X2	809509029	M. VD
COUPLER	1 1/4	DIN	S	38	M 52X2 SCHOTT	809511028	F. VD SCI
NIPPLE	1 1/4	DIN	S	38	M 52X2 SCHOTT	809511029	M. VD SCI

ADDITIONAL INFORMATION

Body Size	<u>1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2"</u>
Port Options	<u>BSP, DIN, NPT</u>
Port Size	<u>1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2"</u>
Valve Style	<u>Poppet</u>
Material	<u>Carbon</u>
Working Pressure	<u>Up to 5000</u>

Related products



SV2 PLATE SERIES

The SV2 Series of Multi-Coupling Plates allows the simultaneous couple and uncouple of two large diameter hydraulic lines with a single, simple movement requiring very little force. The system eliminates crossing of lines, reducing downtime and insuring couplers are fully connected. The auto-locking system insures that lines are connected safely and provides secondary retention of the connection.

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FIRG SERIES

The FIRG Flat Face Series, the original ISO 16028 interchangeable coupling, continues to offer good performance, long life and competitive pricing. The integrated sealing mechanism greatly reduces premature wear caused by movement between coupler and nipple parts affected by impulse pressure and the weight of the hoses and tubing when the coupling is in horizontal position.

[Read more](#)

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I-IP SERIES

The I-IP Series is an extension of ISO A style couplings, popular worldwide for its versatile interchangeability. This ISO interchange coupler features a push pull mounting feature and a nipple with a modular port design that allows for a range of port options.

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Dust Caps & Repair Kits

Protective caps and plugs are useful accessories that prevent damaging dust, water or mud from entering the quick couplings, thus lengthening their working lives. Repair kits are available upon request.

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