



Stucchi[®]



THREADED FLAT FACE COUPLINGS



Connect Under Pressure Threaded Flat Face Coupling



Series: VEP*

Product Features

- Connect/disconnect with residual pressure up to 25 MPa/3625 psi
- High working pressures 35-60 MPa/5075-8700 psi
- Threaded coupling system eliminates brinelling
- Flat face design reduces leakage

Applications

- Flat face design reduces contamination
- Internal flow of valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Oil field, top drives, porta-power, BOPs
- Cranes, drilling machines, all large equipment needing junction points in the circuit



Series: VEP HD*

Product Features

- Connect/disconnect with residual pressure up to 25 MPa/3625 psi
- Interchanges with VEP Series
- High working pressures 40-55 MPa/5800-7975 psi
- Threaded coupling system eliminates brinelling
- Flat face design reduces leakage

Applications

- Flat face design reduces contamination
- Internal flow of valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Cranes, drilling machines, all large equipment needing junction points in the circuit
- All construction equipment with attachments
- High impulse mobile circuits
- Higher grade of steel for longer life, yellow o-ring for visual ID, & larger mating areas



Series: VP*

Product Features

- Connect/disconnect with residual pressure up to 25 MPa/3625 psi
- High working pressures 40-60 MPa/5800-8700 psi
- Auto lock system eliminates accidental disconnection
- Threaded coupling system eliminates brinelling
- Flat face design reduces leakage

Applications

- Flat face design reduces contamination
- Internal flow of valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Oil field, top drives, porta-power, BOPs
- Cranes, drilling machines, all large equipment needing junction points in the circuit
- All construction equipment with attachments
- High impulse mobile circuits

*Fire Tested and Lloyd's Certified in compliance with API 16D Test and EUB Directive 36. Lloyd's document available upon request



DESCRIPTION	SIZE	MAX. OPERATING PRESSURE COUPLED		BURST PRESSURE						MAX. RESIDUAL PRESSURE DURING CONNECTION		SPILLAGE*
				COUPLED		MALE		FEMALE				
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	
VEP												
VEP7	1/4	60	8700	150	21750	150	21750	126	18270	30	4350	0.012
VEP9P	3/8	55	7975	140	20300	140	20300	100	14500	25	3625	0.040
VEP13P	1/2	55	7975	140	20300	140	20300	100	14500	25	3625	0.025
VEP15P	3/4	55	7975	140	20300	140	20300	100	14500	25	3625	0.033
VEP17P	1	50	7250	125	18125	125	18125	100	14500	25	3625	0.018
VEP21P	1 1/4	47	6815	120	17400	120	17400	80	11600	25	3625	0.060
VEP30P	1 1/2	40	5800	110	15950	110	15950	80	11600	25	3625	0.200
VEP45P	2	35	5075	110	15950	110	15950	80	11600	25	3625	0.350

* SPILLAGE IS AN INDICATIVE VALUE OF THE FLUID LOSS PER COUPLE-UNCOUPLE CYCLE.

DESCRIPTION	PORT TYPE	SIZE	MAX. OPERATING PRESSURE COUPLED		BURST PRESSURE						MAX. RESIDUAL PRESSURE DURING CONNECTION		SPILLAGE*
					COUPLED		MALE		FEMALE				
			MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	
VEP HD FLANGE PORT													
VEP17HD	FLANGE	1	42	6091	165	24000	165	24000	100	14500	25	3625	0.018
VEP21HD	FLANGE	1 1/4	42	6091	165	24000	165	24000	80	11600	25	3625	0.060
VEP30HD	FLANGE	1 1/2	42	6091	165	24000	165	24000	80	11600	25	3625	0.200
VEP HD													
VEP15HD		3/4	55	7975	140	20300	140	20300	100	14500	25	3625	0.033
VEP17HD		1	50	7250	125	18125	125	18125	100	14500	25	3625	0.018
VEP21HD		1 1/4	47	6815	120	17400	120	17400	80	11600	25	3625	0.060
VEP30HD		1 1/2	40	5800	110	15950	110	15950	80	11600	25	3625	0.200

* SPILLAGE IS AN INDICATIVE VALUE OF THE FLUID LOSS PER COUPLE-UNCOUPLE CYCLE.

DESCRIPTION	SIZE	MAX. OPERATING PRESSURE COUPLED		BURST PRESSURE						MAX. RESIDUAL PRESSURE DURING CONNECTION		SPILLAGE*
				COUPLED		MALE		FEMALE				
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	
VP												
VP7	1/4	60	8700	150	21750	150	21750	126	18270	30	4350	0.012
VP9P	3/8	55	7975	140	20300	140	20300	100	14500	25	3625	0.040
VP13P	1/2	55	7975	140	20300	140	20300	100	14500	25	3625	0.025
VP15P	3/4	55	7975	140	20300	140	20300	100	14500	25	3625	0.033
VP17P	1	50	7250	125	18125	125	18125	100	14500	25	3625	0.018
VP21P	1 1/4	47	6815	120	17400	120	17400	80	11600	25	3625	0.060
VP30P	1 1/2	40	5800	110	15950	110	15950	80	11600	25	3625	0.200

* SPILLAGE IS AN INDICATIVE VALUE OF THE FLUID LOSS PER COUPLE-UNCOUPLE CYCLE.

Connect Under Pressure Threaded Flat Face Coupling

VEP NPT, Flange and SAE Thread Flat Face Thread Coupling with High Residual Pressure



COUPLER



NIPPLE

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
VEP NPT THREAD					
COUPLER	1/4	1/4	NPT	806501008	F. VEP7 1/4 NPT
NIPPLE	1/4	1/4	NPT	806501009	M. VEP7 1/4 NPT
COUPLER	3/8	3/8	NPT	806501002	F. VEP9 3/8 NPT
NIPPLE	3/8	3/8	NPT	806501003	M. VEP9 3/8 NPT
COUPLER	3/8	1/2	NPT	806501014	F. VEP9 1/2 NPT
NIPPLE	3/8	1/2	NPT	806501015	M. VEP9 1/2 NPT
COUPLER	1/2	1/2	NPT	806501000	F. VEP13 1/2 NPT
NIPPLE	1/2	1/2	NPT	806501001	M. VEP13 1/2 NPT
COUPLER	1/2	3/4	NPT	806501016	F. VEP13 3/4 NPT
NIPPLE	1/2	3/4	NPT	806501017	M. VEP13 3/4 NPT
COUPLER	3/4	3/4	NPT	806501004	F. VEP15 3/4 NPT
NIPPLE	3/4	3/4	NPT	806501005	M. VEP15 3/4 NPT
COUPLER	1	1	NPT	806501006	F. VEP17 1 NPT
NIPPLE	1	1	NPT	806501007	M. VEP17 1 NPT
COUPLER	1 1/4	1 1/4	NPT	806501010	F. VEP21 114 NPT
NIPPLE	1 1/4	1 1/4	NPT	806501011	M. VEP21 114 NPT
COUPLER	1 1/2	1 1/2	NPT	806501012	F. VEP30 112 NPT
NIPPLE	1 1/2	1 1/2	NPT	806501013	M. VEP30 112 NPT
COUPLER	2	2	NPT	807201018	F. VEP45 2 NPT
NIPPLE	2	2	NPT	807201019	M. VEP45 2 NPT
VEP SAE THREAD					
COUPLER	3/8	1/2	SAE	806504000	F. VEP 9 1/2 SAE
NIPPLE	3/8	1/2	SAE	806504001	M. VEP 9 1/2 SAE
COUPLER	1/2	3/4	SAE	806504004	F. VEP 13 3/4 SAE
NIPPLE	1/2	3/4	SAE	806504005	M. VEP 13 3/4 SAE
COUPLER	3/4	3/4	SAE	806504006	F. VEP 15 3/4 SAE
NIPPLE	3/4	3/4	SAE	806504007	M. VEP 15 3/4 SAE
COUPLER	1	1	SAE	806504002	F. VEP 17 1 SAE
NIPPLE	1	1	SAE	806504003	M. VEP 17 1 SAE
COUPLER	1 1/4	1 1/4	SAE	806504010	F. VEP21 114 SAE
NIPPLE	1 1/4	1 1/4	SAE	806504011	M. VEP21 114 SAE
COUPLER	1 1/2	1 1/2	SAE	806504012	F. VEP30 112 SAE
NIPPLE	1 1/2	1 1/2	SAE	806504013	M. VEP30 112 SAE
COUPLER	2	2	SAE	807204018	F. VEP45 2 SAE
NIPPLE	2	2	SAE	807204019	M. VEP45 2 SAE
VEP FLANGE PAD					
COUPLER	2	2	FLANGE	807224020	F. VEP45 2 CODE 62 FP
NIPPLE	2	2	FLANGE	807224021	M. VEP45 2 CODE 62 FP
VEP ORFS THREAD					
COUPLER	3/8	3/8	ORFS	807213002	F. VEP 9P 3/8 ORFS
NIPPLE	3/8	3/8	ORFS	807213003	M. VEP 9P 3/8 ORFS
COUPLER	1/2	1/2	ORFS	807213004	F. VEP 13P 1/2 ORFS
NIPPLE	1/2	1/2	ORFS	807213005	M. VEP 13P 1/2 ORFS
COUPLER	3/4	3/4	ORFS	807213006	F. VEP 15P 3/4 ORFS
NIPPLE	3/4	3/4	ORFS	807213007	M. VEP 15P 3/4 ORFS
COUPLER	1	1	ORFS	807213008	F. VEP 17P 1 ORFS
NIPPLE	1	1	ORFS	807213009	M. VEP 17P 1 ORFS
COUPLER	3/8	3/8	ORFS BULKHEAD	807213016	F. VEP 9P 3/8 ORFS BH
NIPPLE	3/8	3/8	ORFS BULKHEAD	807213017	M. VEP 9P 3/8 ORFS BH
COUPLER	1/2	1/2	ORFS BULKHEAD	807213018	F. VEP 13P 1/2 ORFS BH
NIPPLE	1/2	1/2	ORFS BULKHEAD	807213019	M. VEP 13P 1/2 ORFS BH
COUPLER	3/4	3/4	ORFS BULKHEAD	807213020	F. VEP 15P 3/4 ORFS BH
NIPPLE	3/4	3/4	ORFS BULKHEAD	807213021	M. VEP 15P 3/4 ORFS BH
COUPLER	1	1	ORFS BULKHEAD	807213022	F. VEP 17P 1 ORFS BH
NIPPLE	1	1	ORFS BULKHEAD	807213023	M. VEP 17P 1 ORFS BH



VP NPT and SAE Thread_Flat Face Thread Coupling with High Residual Pressure - Auto Lock

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
VP NPT THREAD					
COUPLER	1/4	1/4	NPT	801901004	F. VP7P 1/4 NPT
NIPPLE	1/4	1/4	NPT	801901005	M. VP7P 1/4 NPT
COUPLER	3/8	3/8	NPT	801901010	F. VP9P 3/8 NPT
NIPPLE	3/8	3/8	NPT	801901011	M. VP9P 3/8 NPT
COUPLER	3/8	1/2	NPT	801901000	F. VP9P 1/2 NPT
NIPPLE	3/8	1/2	NPT	801901001	M. VP9P 1/2 NPT
COUPLER	1/2	1/2	NPT	801901006	F. VP13P 1/2 NPT
NIPPLE	1/2	1/2	NPT	801901007	M. VP13P 1/2 NPT
COUPLER	1/2	3/4	NPT	801901008	F. VP13P 3/4 NPT
NIPPLE	1/2	3/4	NPT	801901009	M. VP13P 3/4 NPT
COUPLER	3/4	3/4	NPT	801901002	F. VP15P 3/4 NPT
NIPPLE	3/4	3/4	NPT	801901003	M. VP15P 3/4 NPT
COUPLER	1	1	NPT	801901012	F. VP17P 1 NPT
NIPPLE	1	1	NPT	801901013	M. VP17P 1 NPT
COUPLER	1 1/4	1 1/4	NPT	801901014	F. VP21P 114 NPT
NIPPLE	1 1/4	1 1/4	NPT	801901015	M. VP21P 114 NPT
COUPLER	1 1/2	1 1/2	NPT	801901016	F. VP30P 112 NPT
NIPPLE	1 1/2	1 1/2	NPT	801901017	M. VP30P 112 NPT
VP SAE THREAD					
COUPLER	3/8	3/8	SAE	807304020	F. VP9P 3/8 SAE
NIPPLE	3/8	3/8	SAE	807304021	M. VP9P 3/8 SAE
COUPLER	1/2	1/2	SAE	807304022	F. VP13P 1/2 SAE
NIPPLE	1/2	1/2	SAE	807304023	M. VP13P 1/2 SAE
COUPLER	1/2	3/4	SAE	807304008	F. VP13P 3/4 SAE
NIPPLE	1/2	3/4	SAE	807304009	M. VP13P 3/4 SAE
COUPLER	3/4	3/4	SAE	807304010	F. VP15P 3/4 SAE
NIPPLE	3/4	3/4	SAE	807304011	M. VP15P 3/4 SAE
COUPLER	1	1	SAE	807304012	F. VP17P 1 SAE
NIPPLE	1	1	SAE	807304013	M. VP17P 1 SAE
COUPLER	1 1/4	1 1/4	SAE	807304014	F. VP21P 114 SAE
NIPPLE	1 1/4	1 1/4	SAE	807304015	M. VP21P 114 SAE
COUPLER	1 1/2	1 1/2	SAE	807304016	F. VP30P 112 SAE
NIPPLE	1 1/2	1 1/2	SAE	807304017	M. VP30P 112 SAE



COUPLER



NIPPLE

VP Series_Coupler Dust Cap | Nipple Dust Plug

BODY SIZE	ORDER CODE	DESCRIPTION
VP COUPLER DUST CAP		
1/4	815300000	CAP F. VP7R
3/8	815300002	CAP F. VP9R
1/2	815300004	CAP F. VP13R
3/4	815300006	CAP F. VP15R
1	815300008	CAP F. VP17R
1 1/4	815300010	CAP F. VP21R
1 1/2	815300012	CAP F. VP30R
VP NIPPLE DUST PLUG		
1/4	815300001	CAP M. VP7R
3/8	815300003	CAP M. VP9R
1/2	815300005	CAP M. VP13R
3/4	815300007	CAP M. VP15R
1	815300009	CAP M. VP17R
1 1/4	815300011	CAP M. VP21R
1 1/2	815300013	CAP M. VP30R



CAP



PLUG

Connect Under Pressure Threaded Flat Face Coupling

VEP-HD NPT and SAE Thread Flat Face Thread Coupling with High Residual Pressure



COUPLER



NIPPLE

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
VEP HD NPT THREAD					
COUPLER	3/4	3/4	NPT	808101010	F. VEP 15HD 3/4 NPT
NIPPLE	3/4	3/4	NPT	808101011	M. VEP 15HD 3/4 NPT
COUPLER	1	1	NPT	808101012	F. VEP17HD 1 NPT
NIPPLE	1	1	NPT	808101013	M. VEP17HD 1 NPT
COUPLER	1 1/4	1 1/4	NPT	808101014	F. VEP21HD 114 NPT
NIPPLE	1 1/4	1 1/4	NPT	808101015	M. VEP21HD 114 NPT
COUPLER	1 1/2	1 1/2	NPT	808101016	F. VEP30HD 112 NPT
NIPPLE	1 1/2	1 1/2	NPT	808101017	M. VEP30HD 112 NPT
VEP HD SAE THREAD					
COUPLER	3/4	3/4	SAE	808104010	F. VEP 15HD 3/4 SAE
NIPPLE	3/4	3/4	SAE	808104011	M. VEP 15HD 3/4 SAE
COUPLER	1	1	SAE	808104012	F. VEP17HD 1 SAE
NIPPLE	1	1	SAE	808104013	M. VEP17HD 1 SAE
COUPLER	1 1/4	1 1/4	SAE	808104014	F. VEP21HD 114 SAE
NIPPLE	1 1/4	1 1/4	SAE	808104015	M. VEP21HD 114 SAE
COUPLER	1 1/2	1 1/2	SAE	808104016	F. VEP30HD 112 SAE
NIPPLE	1 1/2	1 1/2	SAE	808104017	M. VEP30HD 112 SAE

VEP and VEP HD Series Coupler Dust Plug | Nipple Dust Cap



PLUG



CAP

BODY SIZE	ORDER CODE	DESCRIPTION
VEP AND VEP HD COUPLER DUST PLUG		
1/4	815300030	CAP F. VEP7R
3/8	815300032	CAP F. VEP9R
1/2	815300034	CAP F. VEP13R
3/4	815300036	CAP F. VEP15R
1	815300038	CAP F. VEP17R
1 1/4	815300040	CAP F. VEP21R
1 1/2	815300028	CAP F. VEP30R
2	815300042	CAP F. VEP45
VEP AND VEP HD NIPPLE DUST CAP		
1/4	815300031	CAP M. VEP7R
3/8	815300033	CAP M. VEP9R
1/2	815300035	CAP M. VEP13R
3/4	815300037	CAP M. VEP15R
1	815300039	CAP M. VEP17R
1 1/4	815300041	CAP M. VEP21R
1 1/2	815300029	CAP M. VEP30R
2	815300043	CAP M. VEP45

ADDITIONAL COLOR OPTIONS: WHITE, BLUE, YELLOW AND GREEN



VEP-HD Flange Port Flat Face Thread Coupling with High Residual Pressure

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
VEP-HD FLANGE PORT					
COUPLER	1	1	FLANGE HEAD	808124012	F. VEP17 HD 1FH CODE 62
NIPPLE	1	1	FLANGE HEAD	808124013	M. VEP17 HD 1FH CODE 62
COUPLER	1	1	FLANGE PAD	808124020	F. VEP17 HD 1 FPU CODE 62
NIPPLE	1	1	FLANGE PAD	808124021	M. VEP17 HD 1 FPU CODE 62
COUPLER	1 1/4	1 1/4	FLANGE HEAD	808124014	F. VEP21 HD 1 1/4 FH CODE 62
NIPPLE	1 1/4	1 1/4	FLANGE HEAD	808124015	M. VEP21 HD 1 1/4 FH CODE 62
COUPLER	1 1/4	1 1/4	FLANGE PAD	808124022	F. VEP21 HD 1 1/4 FPU CODE 62
NIPPLE	1 1/4	1 1/4	FLANGE PAD	808124023	M. VEP21 HD 1 1/4 FPU CODE 62
COUPLER	1 1/2	1 1/2	FLANGE HEAD	808124016	F. VEP30HD 1 1/2 FH CODE 62
NIPPLE	1 1/2	1 1/2	FLANGE HEAD	808124017	M. VEP30HD 1 1/2 FH CODE 62
COUPLER	1 1/2	1 1/2	FLANGE PAD	808124024	F. VEP30HD 1 1/2 F PU CODE 62
NIPPLE	1 1/2	1 1/2	FLANGE PAD	808124025	M. VEP30HD 1 1/2 FPU CODE 62
COUPLER	1 1/2	1 1/4	FLANGE HEAD	808124038	F. VEP30HD 1 1/4 FH CODE 62
NIPPLE	1 1/2	1 1/4	FLANGE HEAD	808124039	M. VEP30HD 1 1/4 FH CODE 62
COUPLER	1 1/2	1 1/2	FLANGE PAD	808124034	F. VEP 30HD 1 1/2 FPM CODE 62 M14
NIPPLE	1 1/2	1 1/2	FLANGE PAD	808124035	M. VEP 30HD 1 1/2 FPM CODE 62 M14
COUPLER	1 1/2	1 1/2	FLANGE PAD	808124040	F. VEP 30HD 1 1/2 FPM CODE 62 M12
NIPPLE	1 1/2	1 1/2	FLANGE PAD	808124041	M. VEP 30HD 1 1/2 FPM CODE 62 M12

* MATING FLANGE PAD OPTIONS INCLUDE METRIC AND UNF BOLTS HOLES



FLANGE HEAD



FLANGE PAD



Stucchi[®]



Stucchi | 1107 Windham Parkway | Romeoville, IL 60446 USA | 847.956.9720 | fax 847.956.9723 | www.stucchiusa.com
Stucchi Inc, Canada Warehouse | 6300 Viscount Road, Unit 1A | Mississauga, ON L4V 1H3