

Hydraulic Hose Quick Disconnects



Table of Contents

Quick Couplings

Flat Face Series

• FF-GP (PLT1)	9
• FF-HPG (PLT4)	10
• FF-HP-SS (PLTX)	11
• FFK (PLK4)	12
• FF-BH (PLT4)	13
• FF-UHP (PLT6)	14
• FF-UHP7 (PLT7)	15
• FF-71 (PLS1)	16
• FF-71-SS (PLSX)	17

Flat Face Screw Type Series

• PVT4 (PVT4)	18
• PVT4-SS (PVTX)	19
• PVT4-SL (PVT4-SL)	20
• FSI (PST4)	21
• FSI-SL (PST4-SL)	22

Screw Type Series

• VFF	23
• VFF-HD	24
• VIV1	25
• PVV3 (PVV3)	26
• PVV3-BH (PVV3)	27
• G	28-29
• VV	30
• VVS	31
• VVS-SS	32
• PVS/PVP	33
• PVR	34

Poppet/Ball Style

• ANV (PAV1)	35
• ANV-SS (PAVX)	36
• NS (PDS1)	37
• NV (PDV1)	38
• PPS/PPV/ANV-K (PPS1/PPV1/PKK1)	39
• PKK3 (PKK3)	40
• PPK3 (PPK3)	41
• PPK4 (PPK4)	42
• HNV	43
• HNV-B	44
• HNV-SS (PBVX)	45
• PT/PTK (PT/PTK)	46
• TNV	47

BOP Couplings

• HNV-BOP	48
• VFF-HD-BOP	49
• PVT4-BOP	50
• FSI-BOP	51

Specialty Couplings

• 115	52
• 116	53
• HPI	54
• HO	55
• HNV-B-SS	56
• CRS	57
• ST	58
• PFT - Brake Valve	59
• D	60
• TL	61
• TC	62

Color Safe

• PVT4-CC	63
• FSI-CC/FSI-CC-SL/FSI-CC-BOP	64-65

Quick Coupling Accessories Caps and Plugs

• Flat Face Color Safe Sleeves	66
• Color Safe Accessories	67-68
• Flat Face and Flat Face Screw Type Caps and Plugs	70
• Screw Type Caps and Plugs	71-72
• Poppet Style Caps and Plugs	73

Table of Contents

Ball Valves

High Pressure Ball Valves

• BV2/BV2B	75
• BV2-DIN	76
• BV2-FO	77
• BV2-FL61/BV2-FL62	78
• BV2B-FL61/BV2B-FL62	79
• BV2-4B-FL61/BV2-4B-FL62	80
• BV2B-4B-FL61/BV2B-4B-FL62	81
• BV2-FL/4B-61/BV2-FL/4B-62	82
• BV2B-FL/4B-61/BV2B-FL/4B-62	83
• BV2-MINI	84

Check Valves and Actuator

• CV Series	89
-------------	----

Specialty High Pressure Ball Valves

• BV2-GRS3/GRS6	85
• BV2-ES/BV3-ES	86

Low Pressure Ball Valves

• SBV-2000 Series	90
• BBV-600 Series	91
• BBV-600 Male/Female	92
• SSBV-1000 Series	93
• SSBV-2000 Series	94
• MMBV Series	95

3-Way High Pressure Ball Valves

• BV3/BV3B	87
• BV3-FO	88

Ball Valve Accessories Handles, Ball Seats, O-Rings and Kits

• Handles	96-97
• Locking Kits	98
• Ball Seats	99
• O-Rings	100
• Repair Kits	101

Clamps

Standard Series • Standard Series Assembly 103 • Standard Stacking Assembly 104 • Standard Rail Nut Assembly 105 • Standard and Heavy Duty Twin 106 • Standard Twin Stacking and Rail Nut Assembly 107	Technical Appendix • Technical and Material Appendix 119 • Conversion Table 120
Heavy Duty Series • Heavy Duty Twin Stacking and Rail Nut Assembly 108 • Heavy Duty Assembly 109 • Heavy Duty Stacking Assembly 110 • Heavy Duty Rail Nut Assembly 111 • Standard and Heavy Duty Series with Rubber Bushings 112	
Standard and Heavy Duty Series Individual Parts • Standard Series Parts 113-114 • Heavy Duty Series Parts 115-116	
Standard and Heavy Duty Series Twin Individual Parts • Standard Twin Series 117 • Heavy Duty Twin Series 118	

Table of Contents

Hose

Technical Appendix

• 1SC	124	• Determine Hose I.D.	122
• 100R2AT	124	• Hose Selection Table	123
• 100R16	125		
• 100R17	125		
• 100R4 / FLEX4	126		
• PRESSURE WASHER	127		
• FREEDOM (5000,6000, 2MT)	128-129		
• 100R13	130		
• 100R15	130		
• OILFIELD WORKOVER	131		
• HOT OIL	131		
• 100R14	132		
• GREASE INJECTION	132		
• WATERBLAST	133		
• PUSH LOCK	133		
• JACKHOSE	134		
• 4SH	134		
• MULTI-PURPOSE (AIR/WATER)	135		
• VHP (SINGLE & TWIN)	136		

Table of Contents

Hose Fittings

200 Series • 200-NPT/200-NPTX 139 • 200-CD61 (Straight, 45°, 90°) 140 • 200-FJX (Straight, 45°, 90°, 90L°) 141-142 • 200-ORFS (Straight, 45°, 90°, 90L°) 143-144 • 200-MORFS 145 • 200-MB/200-MBX 145 • 200-FP/200-FPX 146 • 200-FBX (Straight, 45°, 90°) 147 • 200-JIS 148 • 200-MJ 148 • 200-FKOMX (Straight, 45°, 90°) 149 • 200-DIN Light (Straight, 45°, 90°) 150-151 • 200-DIN Heavy (Straight, 45°, 90°) 152-153	600SF Series • 600SF-NPT/600-NPT-API 161 • 600SF-CD61 162 (Straight, 45°, 90°) • 600SF-CD62 163-164 (Straight, 22°, 30°, 45°, 60°, 67°, 90°) • 600SF-FJX 165 (Straight, 45°, 90°) • 600SF-ORFS 166 (Straight, 45°, 90°) • 600SF-CAT 167-168 (Straight, 22°, 30°, 45°, 67°, 90°, 90L°, 90XL°)
400XF Series • 400XF-NPT/400-NPT-API 154 • 400XF-CD61 155-156 (Straight, 22°, 45°, 67°, 90°, 90L°) • 400XF-CD62 157 (Straight, 45°, 90°, 90L°) • 400XF-FJX 158 (Straight, 45°, 90°, 90L°) • 400XF-ORFS 159-160 (Straight, 45°, 90°, 90L°, 90M°)	200 Stainless Steel Series • 200-FJX-SS 170 (Straight, 90°) • 200-NPT-SS 170
	Reusable Series • RNPT 172 • RFJX 173

Table of Contents

Ultra High Pressure

Needle Valves

- NV10 175
- NV15 176-178
- NV20 179-181
- NV30 182-184
- NV60 185-187

Ball Valves

- BV10 188-190
- BV15 191-193
- BV20 194-196

Check Valves

- CV15 197
- CV20 198
- CV60 199

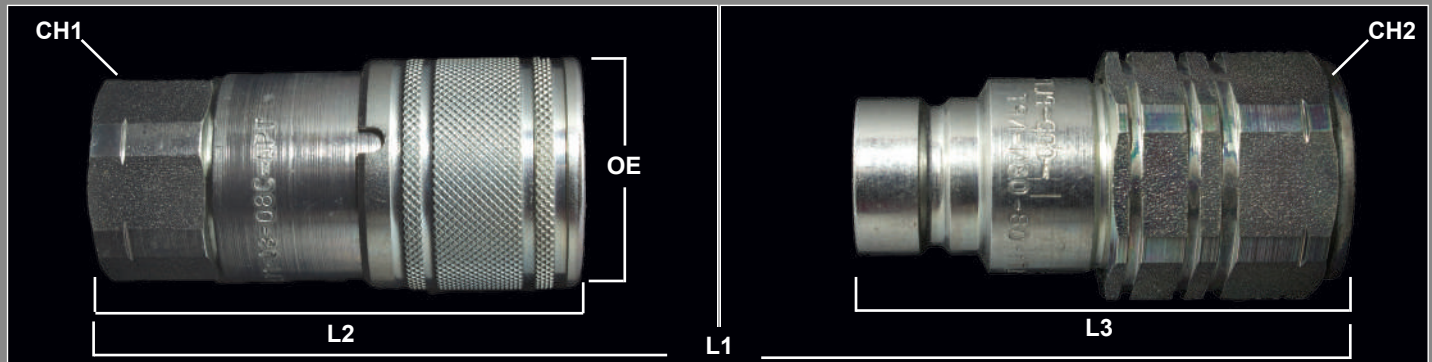
Adapters

- Elbows 200
- Tees 200
- Crosses 201
- Tubing 201

FF-GP SERIES QUICK COUPLINGS (PLT1)

ISO 16028 - Flush Face - General Purpose - Push to Connect - Carbon Steel

Sizes: 1/4" thru 2"



Features and Applications

- Push to connect
- Connection under pressure not allowed
- Sleeve lock device
- Locking radial balls
- FF-GP series is ideal for markets where flat face, non-spill couplings are a must.
- Skid steers, skid steer attachments, agricultural, construction, forestry, oil & gas and more.

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CR111)
Seals: NBR standard seals
Threads: NPT & BSP

MAJOR INTERCHANGES

Parker FE Faster 2FFI
Tomco FE Aeroquip FD89
Perfecting HT Snap Tite 74
Stucchi A & FIRG

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.87	.87	1.10	4.00	2.30	2.11	3.17	6.34	4,630
06	1.06	1.06	1.26	4.57	2.66	2.50	6.08	12.15	3,675
08	1.26	1.26	1.50	5.39	3.31	2.99	12	23.78	3,675
12	1.81	1.61	1.89	6.20	3.70	3.39	28	52.83	3,675
16	1.97	1.97	2.17	6.97	4.31	3.54	50	73.97	3,675
24	2.76	2.76	3.11	8.27	4.67	4.70	100	184.92	3,675
32	3.15	3.15	4.06	11.42	5.81	6.81	200	264.17	3,675

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FF-GP - 08 - 08 - C - NPT

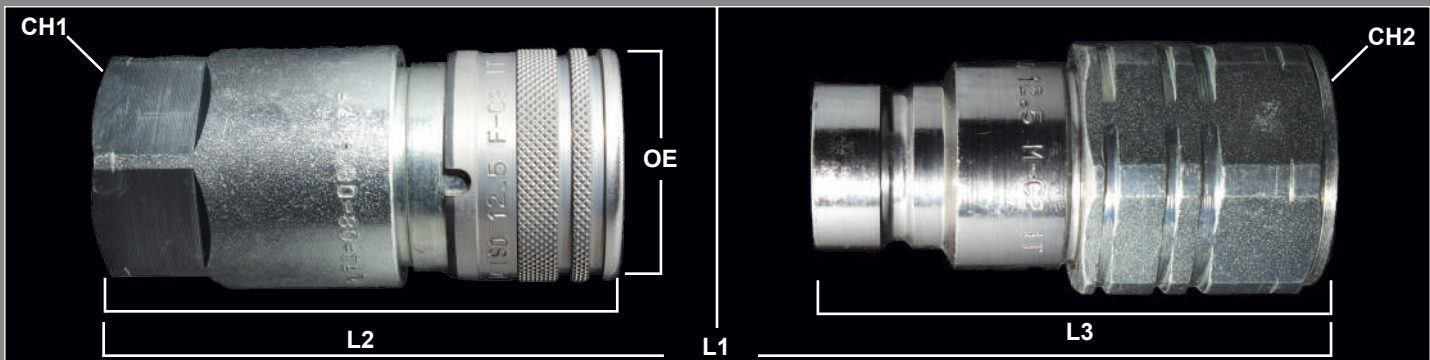
FF-GP SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
ISO 16028 Flush Face General Purpose	04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	NPT	NPT
	06	3/8"	24	1-1/2"	06	3/8"	20	1-1/4"	N	Nipple	BSP	British Standard Parallel
	08	1/2"	32	2"	08	1/2"	24	1-1/2"				
	12	3/4"			12	3/4"	32	2"				



FF-HPG SERIES QUICK COUPLINGS (PLT4)

ISO 16028 - Flush Face - High Pressure

Sizes: 1/4" thru 1"



Features and Applications

- High working pressures to 7,350 PSI
- Sleeve lock device
- Locking radial balls
- Connection under pressure not allowed
- FF-HPG series is ideal for markets where flat face, non-spill couplings are a must.
- High pressure applications
- High impulse applications

MATERIALS

Body: Carbon Steel
Coating: Gray Nickel Plating
Seals: NBR standard seals
Threads: NPT, SAE, JIC, BSPP

MAJOR INTERCHANGES

Parker FE Faster 2FFI
Tomco FE Aeroquip FD89
Perfecting HT Snap Tite 74
Stucchi A & FIRG

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.87	.87	1.10	3.94	2.30	2.05	3.17	6.34	7,350
06	1.18	1.18	1.26	4.65	2.89	2.38	6.08	12.15	6,600
08	1.42	1.42	1.50	5.61	3.43	2.87	12	23.78	6,600
10	1.42	1.42	1.65	5.57	3.43	2.87	20	39.63	6,600
12	1.61	1.61	1.89	6.06	3.74	3.19	26.42	52.83	6,100
16	2.17	2.17	2.17	6.97	4.31	3.54	50	73.97	6,100

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FF-HPG - 08 - 08 - C - NPT

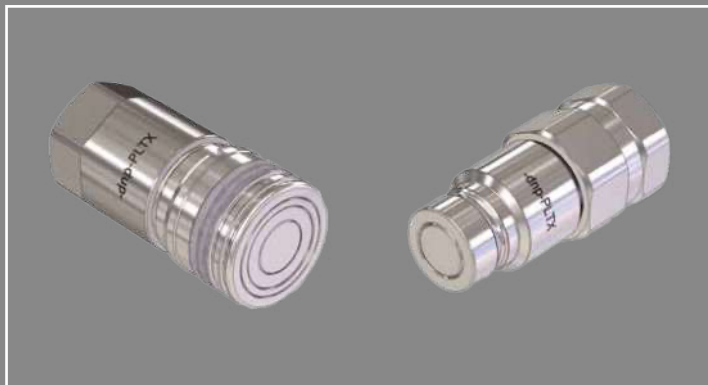
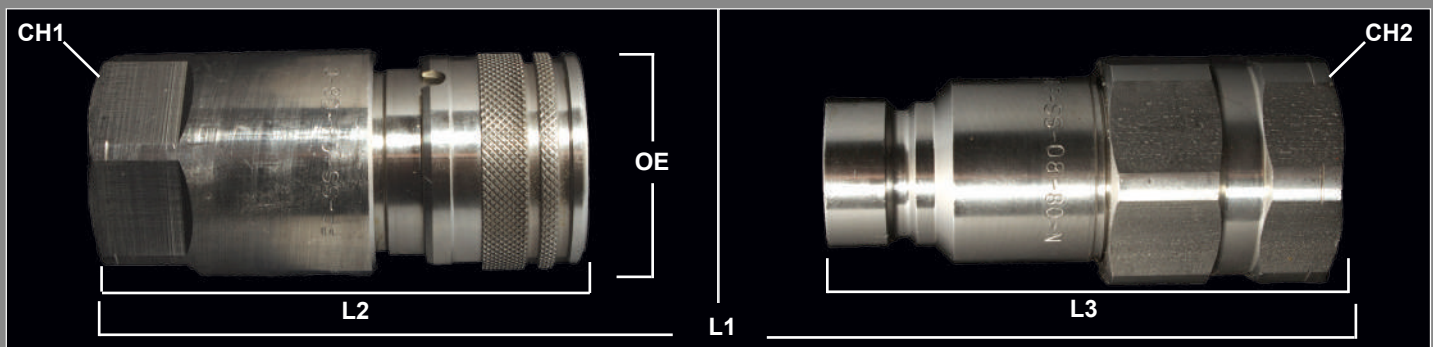
FF-HPG SERIES									Thread Type	
ISO 16028 Flush Face High Pressure with Gray Nickel Plating	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple	
	04	1/4"	10	5/8"	04	1/4"	10	5/8"	C	Coupler
	06	3/8"	12	3/4"	06	3/8"	12	3/4"	N	Nipple
	08	1/2"	16	1"	08	1/2"	16	1"		
							20	1-1/4"		
									NPT	NPT
									SAE	O-Ring/UNF
									JIC	37° FIARE 3/8" & 1/2" only
									BSP	British Standard Parallel
									DIN	German DIN



FF-HP-SS SERIES QUICK COUPLINGS (PLTX)

ISO 16028 - Flush Face - 316 Stainless Steel

Sizes: 1/4" thru 1"



Features and Applications

- High working pressures up to 4,350 PSI
- Sleeve locking device
- Locking radial balls
- Connection under pressure not allowed
- FF-HP-SS series is ideal for markets where flat face, non-spill couplings are a must.
- Food grade
- Offshore oil & gas
- Petro-chemical

MATERIALS

Body: 316 Stainless Steel
Seals: FKM seals (Viton)
Threads: NPT, SAE, & BSP

MAJOR INTERCHANGES

Parker FE Faster FF / 2FFI
Tomco FE Aeroquip FD89
Perfecting HT Snap Tite 74
Stucchi FL

Key Note:

- Color Safe System options available



DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.87	.87	1.10	4.25	2.32	2.36	3.17	6.34	4,350
06	1.06	1.06	1.26	4.98	2.87	2.74	6.08	12.15	3,625
08	1.42	1.42	1.50	5.94	3.43	3.21	12	23.78	3,625
10	1.42	1.42	1.65	5.96	3.39	3.27	20	39.63	3,625
12	1.61	1.61	1.89	6.54	3.84	3.56	28	52.83	3,625
16	1.97	1.97	2.17	7.15	4.31	3.74	50	73.97	3,625

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FF-HP - SS - 08 - 08 - C - NPT

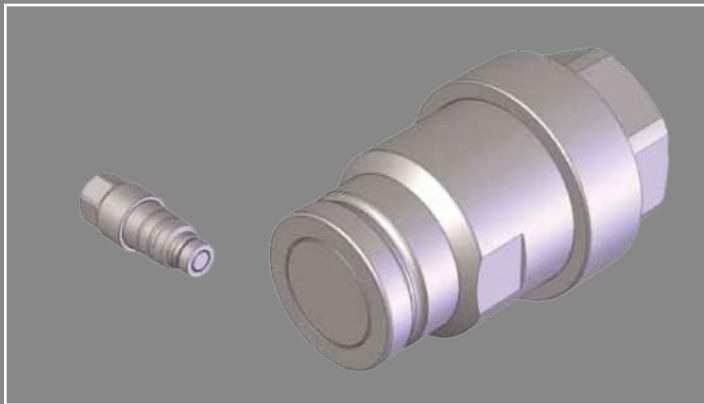
FF-HP-SS SERIES	Material		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
ISO 16028 Flush Face High Pressure	(blank)	Carbon Steel	04	1/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
	SS	316 Stainless Steel	06	3/8"	06	3/8"	16	1"	N	Nipple		
			08	1/2"	08	1/2"	20	1-1/4"				
			10	5/8"								
			12	3/4"								
			16	1"								



FFK SERIES QUICK COUPLING (PLK4)

ISO 16028 - Flush Face - Connect Under Pressure Nipple- Carbon Steel

Sizes: 1/4" thru 1"



Features and Applications

- Connect under pressure to 3,675 PSI
- High pressure up to 7,350 PSI
- Flat face, non-spill design
- High resistance steel
- FFK is ideal for systems that need to be connected under residual pressure
- High pressure applications
- Attachments that may have trapped pressure in the system

MATERIALS

Body: Carbon Steel
 Finishing: Corrosion resistant gray ZN-Fe (CR111) plating
 Seals: NBR standard seals
 Threads: NPT, SAE, & BSP

MAJOR INTERCHANGES

Stucchi APM
 Parker FC

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	L1	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	1.18	3.07	3.20	6.34	7,350
06	1.42	3.39	6.50	12.15	6,600
08	1.42	3.41	12	23.78	6,600
10	1.42	3.41	20	39.63	6,600
12	1.42	3.52	28	52.83	6,100
16	1.61	4.13	50	73.97	6,100

units: inches

Key Note:

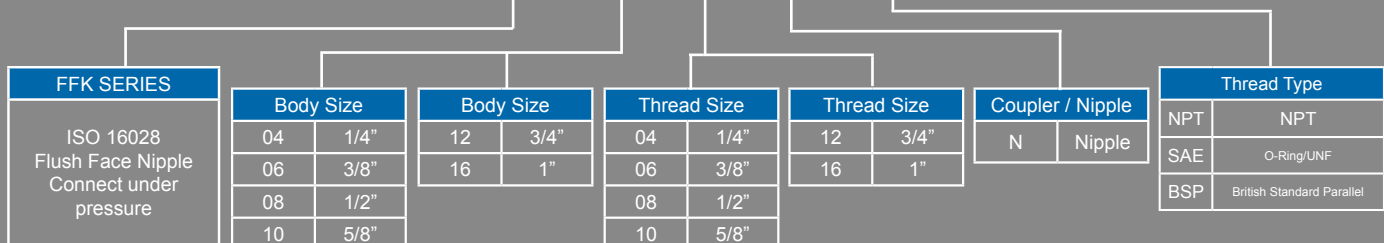
- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

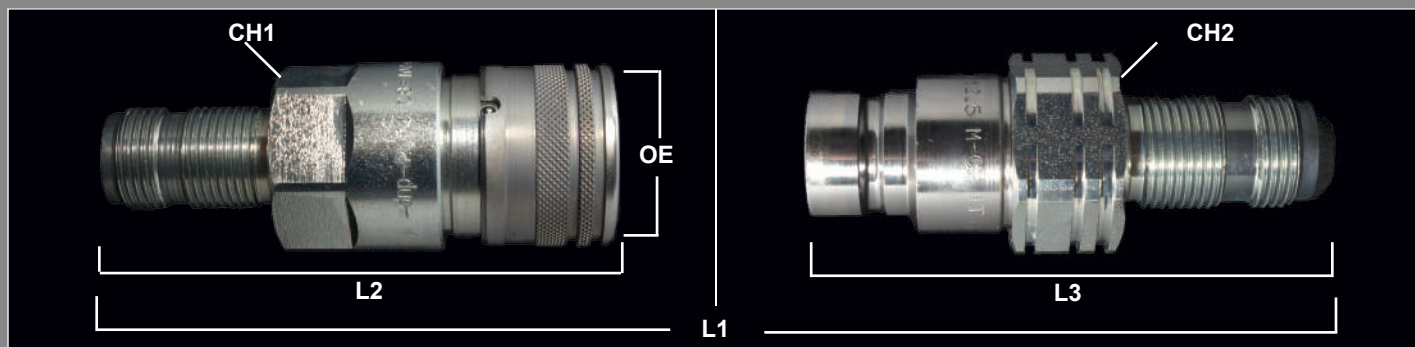
FFK - 08 - 08 - N - NPT



FF-BH SERIES QUICK COUPLINGS (PLT4)

ISO 16028 - Flush Face - Bulkhead

Sizes: 1/2"



Features and Applications

- High working pressures up to 5,075 PSI
- Sleeve locking device
- Locking radial balls
- Connection under pressure not allowed
- FF-BH series is ideal for markets where flat face, non-spill couplings are a must.
- Skid steers
- Skid steer attachments
- High pressure applications

MATERIALS

Body: Carbon Steel
Finishing: Gray nickel plating
Seals: NBR standard seals
Threads: Bulkhead JIC and ORFS

MAJOR INTERCHANGES

Parker FE Faster FF / 2FFI
AeroquipFD89 Dixon HT
Snap Tite 74 Stucchi A
Safeway FF49

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.063	1.063	1.496	3.778	2.756	1.890	12	23.78	5,075

units: inches

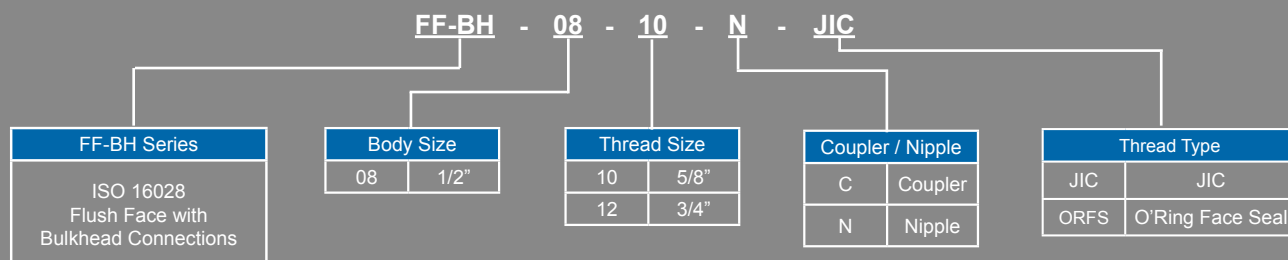
Key Note:

- Color Safe System options available



ORDERING INFORMATION

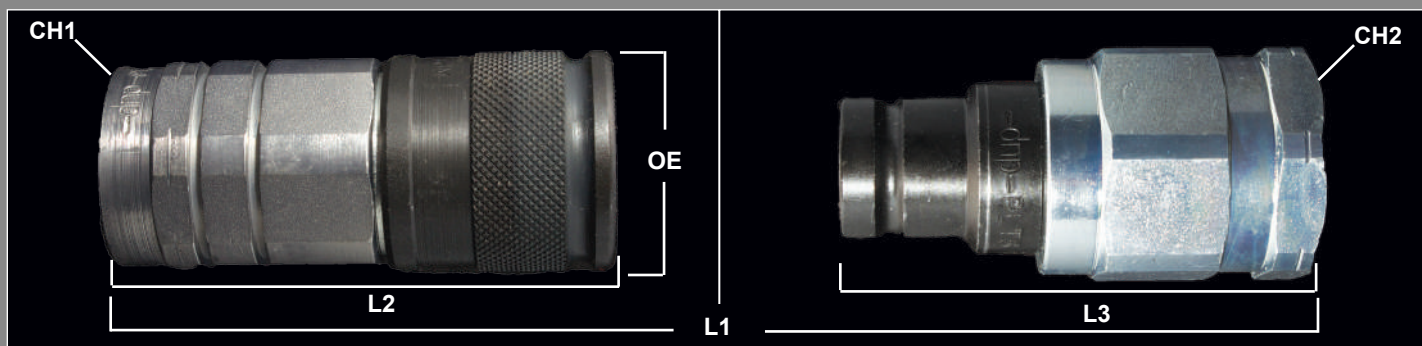
QUICK COUPLING PART NUMBERING SYSTEM:



FF-UHP SERIES QUICK COUPLINGS (PLT6)

ISO 16028 - Flush Face - Ultra High Pressure

Sizes: 1/4" and 3/8"



Features and Applications

- 10,000 PSI working pressure
- High resistance steel
- Sleeve locking device
- Locking radial balls
- Connection under pressure not allowed
- FF-UHP series is ideal for markets where flat face, non-spill couplings are a must
- Torque tools
- Emergency systems
- High pressure jacks

MATERIALS

Body: Carbon Steel
Finishing: Zinc nickel plating
Seals: NBR standard seals
Threads: NPT & BSP

MAJOR INTERCHANGES

Parker FH Tomco FF
AeroquipFD89

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.87	.87	1.10	3.94	2.32	2.05	3.17	6.34	10,150
06	1.16	1.18	1.26	4.78	2.89	2.50	6.08	12.15	10,150

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FF-UHP - 04 - 04 - N - NPT

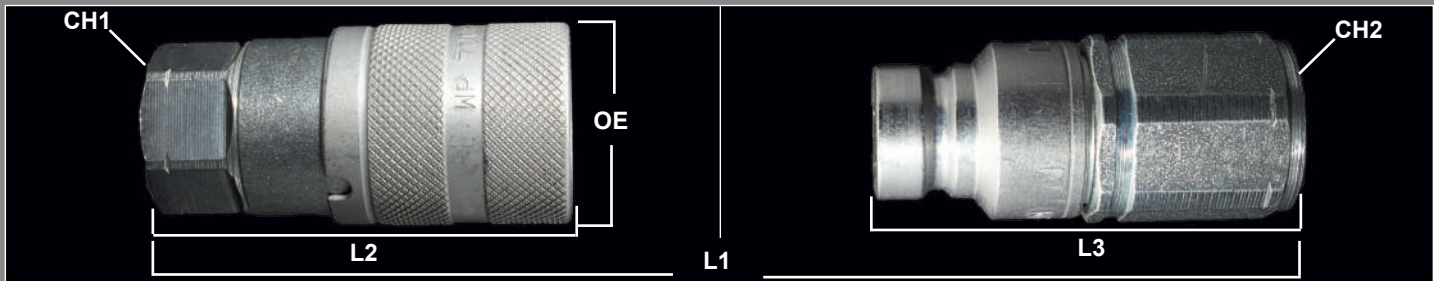
FF-UHP Series	Body Size	Thread Size	Coupler / Nipple	Thread Type
ISO 16028 Flush Face Ultra High Pressure	04 1/4" 06 3/8"	04 1/4" 06 3/8"	C Coupler N Nipple	NPT NPT BSPP British Standard Parallel



FF-UHP7 SERIES QUICK COUPLINGS (PLT7)

Flush Face - Ultra High Pressure

Sizes: 1/4"



Features and Applications

- 10,000 PSI working pressure
- Will not interchange with ISO 16028 standard
- High resistance steel
- Sleeve locking device
- Locking radial balls
- Connection under pressure not allowed
- FF-UHP7 series is ideal for markets where flat face, non-spill couplings are a must.
- Torque tools
- Emergency systems
- High pressure jacks

MATERIALS

Body: Carbon Steel
Finishing: Zinc nickel plating
Seals: NBR standard seals
Threads: NPT & BSP

MAJOR INTERCHANGES

Stucchi A-HP

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.87	.87	1.10	4.0	2.30	2.10	6.35	6.34	10,290

units: inches

Key Note:

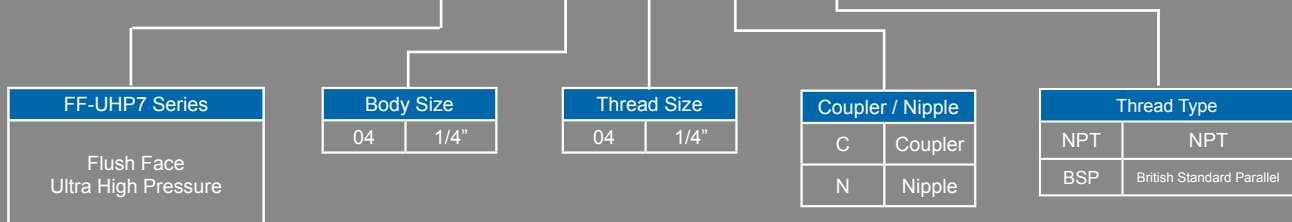
- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FF-UHP7 - 04 - 04 - N - NPT

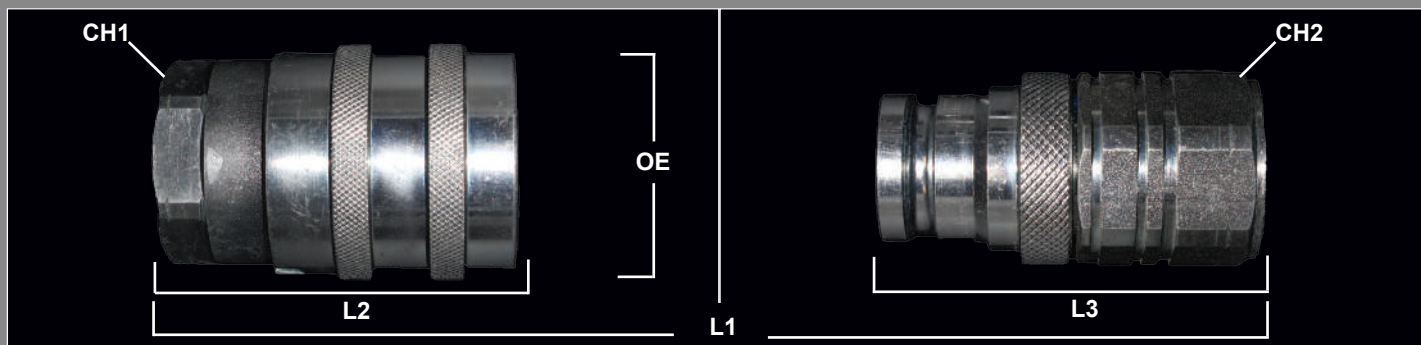


DNP | Tel: (647) 303-2445 | www.magnifax.ca

FF-71 Series (PLS1)

High Pressure Flat Face

Sizes: 1/4" - 1"



Features and Applications

- High pressure flat face
- Locking radial balls
- Sleeve lock
- Connection under pressure not allowed
- Non-spill

MATERIALS

Body: Carbon Steel

Finishing: Zn-Fe (CR111)

Seals: NBR Standard Seals

Threads: NPT

MAJOR INTERCHANGES

Parker/Snap-Tite 71 Series

Dixon ST Series

* Larger Bore Sizes Available Upon Request

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.94	.86	1.18	3.64	2.04	2.13	2.50	5.3	5,075
06	1.18	1.18	1.57	4.13	2.43	2.40	6	12	5,075
08	1.49	1.41	1.89	5.04	2.80	2.95	10	16	5,075
12	1.81	1.61	2.28	5.62	3.11	3.43	25	40	5,075
16	1.96	1.96	2.68	6.10	3.46	3.60	47	63	5,075

units: inches

Key Note:

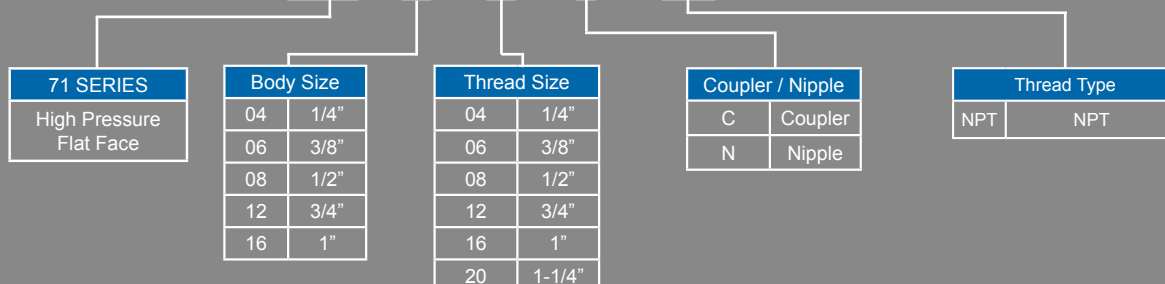
- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

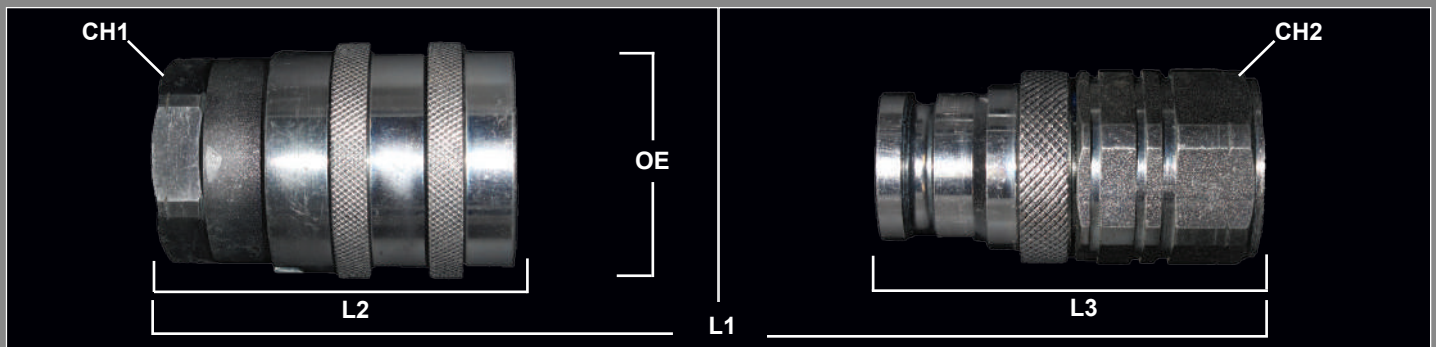
FF-71 - 08 - 08 - C - NPT



FF-71-SS Series (PLSX)

High Pressure Flat Face Stainless Steel

Sizes: 1/4" - 1"



Features and Applications

- High pressure flat face
- Locking radial balls
- Sleeve lock
- Connection under pressure not allowed
- Non-spill

MATERIALS

Body: Stainless Steel
Finishing: Zn-Fe (CR111)
Seals: Viton Seals
Threads: NPT

MAJOR INTERCHANGES

Parker/Snap-Tite 71 Series
Dixon ST Series

* Larger Bore Sizes Available
Upon Request

DIMENSIONAL & PRESSURE RATING DATA

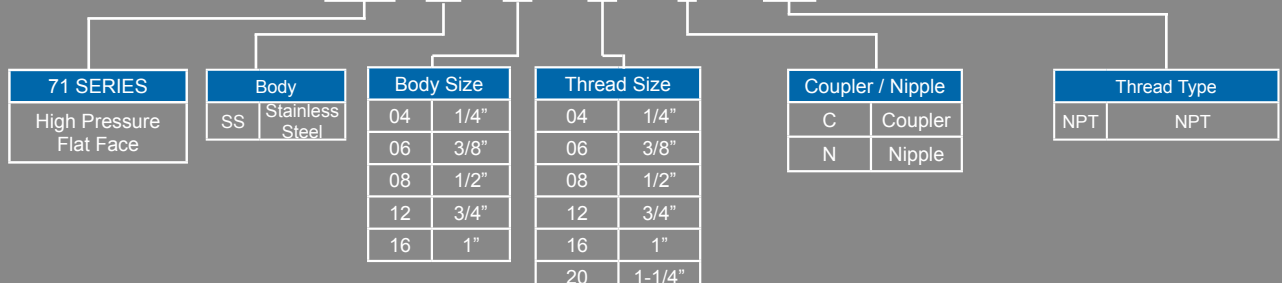
Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.94	.86	1.18	3.64	2.04	2.13	2.50	5.3	5,075
06	1.18	1.18	1.57	4.13	2.43	2.40	6	12	5,075
08	1.49	1.41	1.89	5.04	2.80	2.95	10	16	5,075
12	1.81	1.61	2.28	5.62	3.11	3.43	25	40	5,075
1	1.96	1.96	2.68	6.10	3.46	3.60	47	63	5,075

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

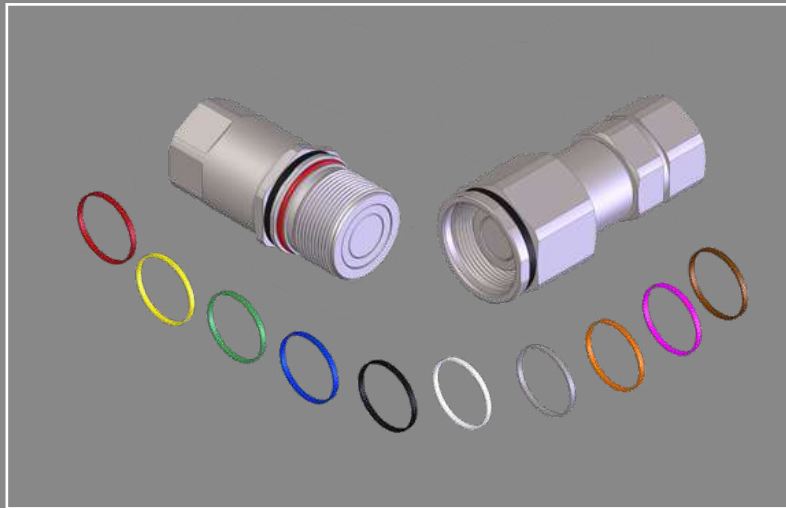
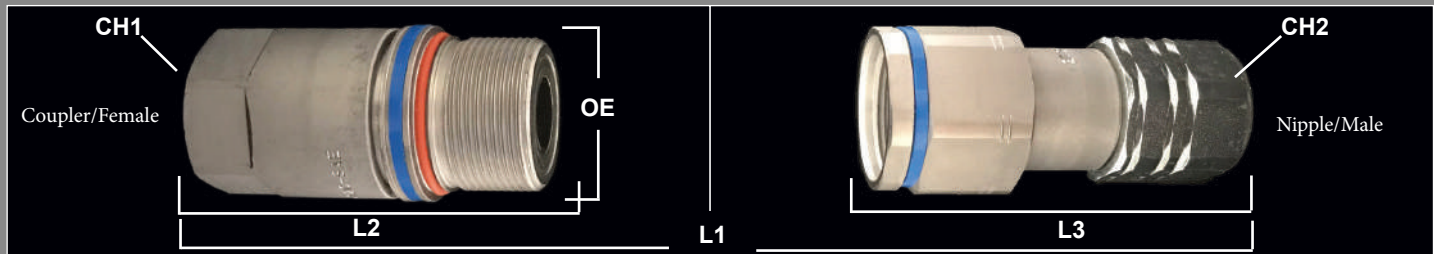
FF-71 - SS - 08 - 08 - C - NPT



PVT4 SERIES QUICK COUPLINGS

Flat Face Screw Type - Connectable Under Pressure

Sizes: 1/4" thru 2"



DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)	Fluid Spillage (cc)
04	.86	.86	1.29	4.53	2.66	2.30	3.17	6.34	5,800	.008
06	1.18	1.18	1.417	5.33	3.07	2.90	6.08	12.15	5,075	.010
08	1.42	1.42	1.65	6.14	3.39	3.43	12	24	5,075	.012
12	1.42	1.42	1.65	6.19	3.52	3.39	20	40	5,075	.015
16	1.62	1.62	1.89	7.09	4.13	3.82	26.5	53	5,075	.020
20	2.16	2.16	2.36	8.47	5.03	4.30	50	74	5,075	.030
22	2.16	2.75	2.85	8.44	4.41	5.36	70	120	5,075	.040
24	2.75	2.75	4.13	9.60	6.05	4.67	100	185	4,350	.050
32	3.15	3.15	4.56	11.44	6.81	7.75	200	265	4,350	.100

units: inches

Features and Benefits

- A non-interchangeable upgrade to the FSI Series
- High tech Z-786 anti-corrosion plating salt spray tested for 700 hours before any appearance of surface red rust
- Slimmer design than FSI
- High working pressures
- Seal is blowout resistant to 5,000 PSI when connecting or disconnecting with residual pressure
- Can connect by hand up to 5,000 PSI
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy duty hex nut
- Fine threads for smooth makeup
- Standard Threads: NPT, SAE & BSP

Applications

- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed
- High pressure, low pressure drop and high impulse applications
- Drilling Rigs, Cranes, HPU'S, Heavy Equipment, Hammer attachments and much more

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVT4-CC - 08 - 08 - C - NPT

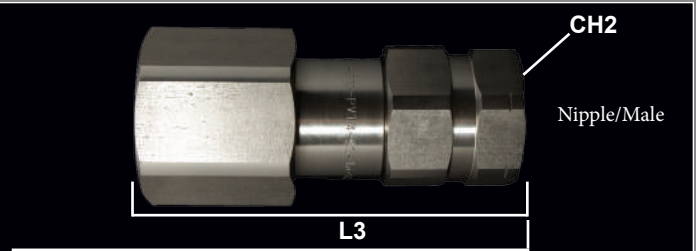
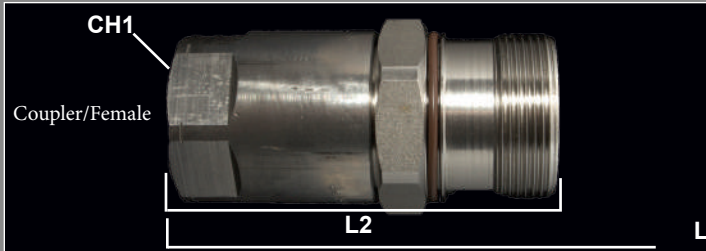
PVT4 CC SERIES	Body Size	Body Size	Thread Size	Thread Size	Coupler / Nipple	Thread Type
Flush Face No Spill Coupling Connect under pressure Color Code	04 1/4"	16 1"	04 1/4"	16 1"	C Coupler	NPT NPT
	06 3/8"	20 1-1/4"	06 3/8"	20 1-1/4"	N Nipple	SAE O-Ring/UNF
	08 1/2"	22 1-3/8"	08 1/2"	24 1-1/2"		BSP British Standard Parallel
	12 3/4"	24 1-1/2"	12 3/4"	32 2"		
		32 2"				



PVT4-SS SERIES QUICK COUPLINGS (PVTX)

Flat Face Screw Type - Connectable Under Pressure - 316 Stainless Steel

Sizes: 1/4" thru 2"



Features and Benefit

- PVT4-SS is the ultimate coupling for the offshore oil and gas market
- 316 SS material for ultimate corrosion resistance
- Slim design makes for easy plumbing in tight spaces
- High working pressures
- Connects and disconnects by hand up to 4,000 PSI
- Seal is blowout resistant to 4,000 PSI when connecting and disconnecting with residual pressure
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy Duty Hex Nut
- Standard Threads: NPT, SAE & BSP

Applications

- Offshore and Marine Industry: Drill Ships, FPSO, Oilfield Service and Drilling Equipment, Rig Cranes, Winches, Platforms, Offshore Salvage and Demolition Equipment
- High pressure, low pressure drop, high impulse applications
- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed

Key Note:

- Color Safe System options available



DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)	Fluid Spillage (cc)
04	.86	.86	1.29	4.53	2.66	2.30	3.17	6.34	4,350	.008
06	1.18	1.18	1.417	5.33	3.07	2.90	6.08	12.15	3,625	.010
08	1.42	1.42	1.65	6.14	3.39	3.43	12	24	3,625	.012
12	1.42	1.42	1.65	6.19	3.52	3.39	20	40	3,625	.015
16	1.62	1.62	1.89	7.09	4.13	3.82	26.5	53	3,625	.020
20	2.16	2.16	2.36	8.47	5.03	4.30	50	74	3,625	.030
24	2.75	2.75	4.13	9.60	6.05	4.67	100	185	2,175	.050
32	3.15	3.15	4.56	11.44	6.81	7.75	200	265	2,175	.100

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVT4-CC - SS - 08 - 08 - C - NPT

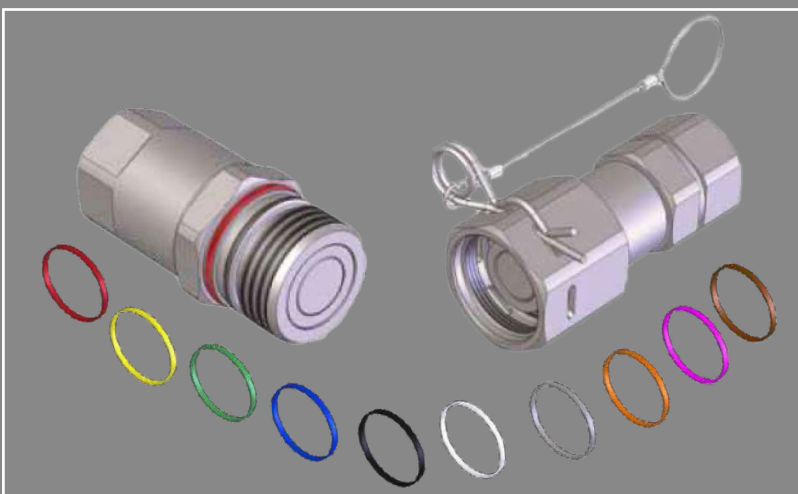
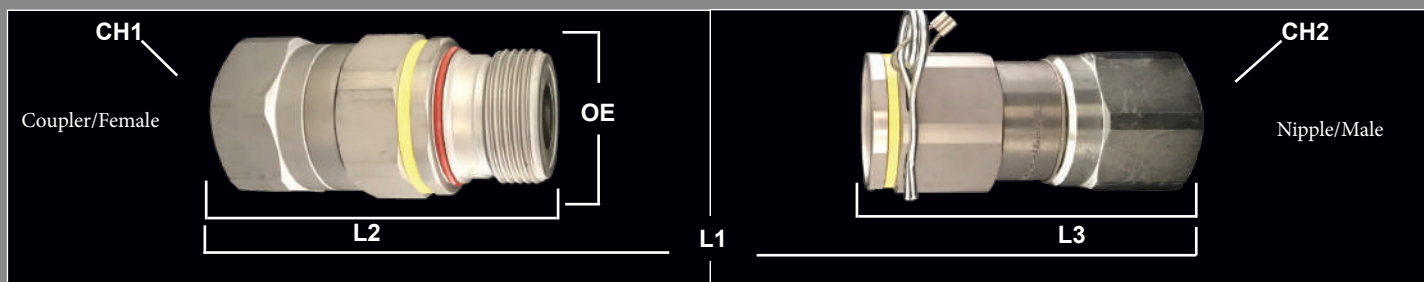
PVT4-SS-CC SERIES		Material		Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Flush Face No Spill Coupling Connect under pressure 316 Stainless Steel color code		Stainless Steel		04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	NPT	NPT
				06	3/8"	20	1-1/4"	06	3/8"	20	1-1/4"	N	Nipple	SAE	O-Ring/UNF
				08	1/2"	24	1-1/2"	08	1/2"	24	1-1/2"			BSP	British Standard Parallel
				12	3/4"	32	2"	12	3/4"	32	2"				



PVT4-PINLOCK SERIES QUICK COUPLINGS

Flat Face Screw Type - Connectable Under Pressure- With Pin Lock

Sizes: 1/4" thru 2"



Features and Benefits

- A non-interchangeable upgrade to the FSI Series
- High tech Z-786 anti-corrosion plating salt spray tested for 700 hours before any appearance of surface red rust
- Slimmer design than FSI with no loss in flow rate
- High working pressures
- Seal is blowout resistant to 5,000 PSI when connecting or disconnecting with residual pressure
- Can connect by hand up to 5,000 PSI
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy duty hex nut
- Fine threads for smooth makeup
- Additional Pin Lock to ensure no accidental disconnection
- Standard Threads: NPT, SAE & BSP

Applications

- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed
- High pressure, low pressure drop and high impulse applications
- Drilling Rigs, Cranes, HPU'S, Heavy Equipment, Hammer attachments and much more

Key Note:

- Color Safe System options available



DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)	Fluid Spillage (cc)
04	.86	.86	1.29	4.53	2.66	2.30	3.17	6.34	5,075	.008
06	1.18	1.18	1.417	5.33	3.07	2.90	6.08	12.15	5,075	.010
08	1.42	1.42	1.65	6.14	3.39	3.43	12	24	5,075	.012
12	1.42	1.42	1.65	6.19	3.52	3.39	20	40	5,075	.015
16	1.62	1.62	1.89	7.09	4.13	3.82	26.5	53	5,075	.020
20	2.16	2.16	2.36	8.47	5.03	4.30	50	74	5,075	.030
22	2.16	2.75	2.85	8.44	4.41	5.36	70	120	5,075	.040
24	2.75	2.75	4.13	9.60	6.05	4.67	100	185	4,350	.050
32	3.15	3.15	4.56	11.44	6.81	7.75	200	265	4,350	.100

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVT4-SL-CC - 08 - 08 - C - NPT

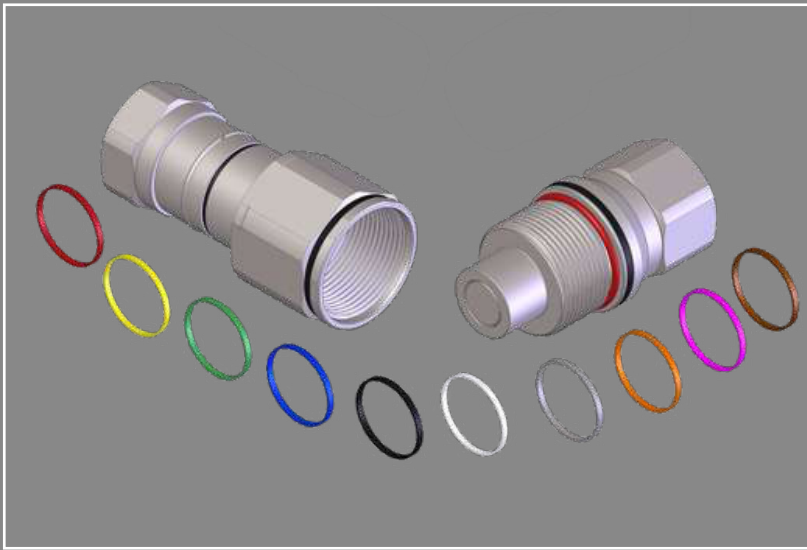
PVT4-SL CC SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Flush Face No Spill Coupling Connect under pressure sleeve lock color code	04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	NPT	NPT
	06	3/8"	20	1-1/4"	06	3/8"	20	1-1/4"	N	Nipple	SAE	O-Ring/UNF
	08	1/2"	22	1-3/8"	08	1/2"	24	1-1/2"			BSP	British Standard Parallel
	12	3/4"	24	1-1/2"	12	3/4"	32	2"				
			32	2"								



FSI SERIES QUICK COUPLINGS (PST4)

Flush Face - Screw Type - Connectable Under Pressure

Sizes: 1/4" thru 1-1/2"



Features and Benefits

- Interchanges with Stucchi VEP
- High tech Z-786 anti-corrosion plating salt spray tested for 700 hours before any appearance of surface red rust
- High working pressures
- Connects and disconnects by hand up to 4,400 PSI
- Seal is blowout resistant to 4,400 PSI when connecting
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy duty hex nut
- Standard threads: NPT, SAE, BSPP, DIN, Code 62

Applications

- FSI series couplings are used in a wide range of industrial markets when connecting and disconnecting is needed
- High pressure, low pressure drop and high impulse applications
- Drilling Rigs, Oilfield Services, Drilling Equipment, Cranes, Heavy Equipment, Hammer Attachments and much more

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)	Fluid Spillage (cc)
04	.86	.86	1.53	4.58	2.34	2.64	3.17	6.34	6,525	.008
06	1.18	1.18	1.64	5.39	2.95	3.05	6.08	12.15	5,075	.010
08	1.41	1.41	1.96	6.00	4.35	3.56	12	24	5,075	.012
12	1.41	1.41	2.17	6.25	4.60	3.54	20	40	5,075	.015
16	1.61	1.61	2.32	7.50	5.26	4.21	26.5	53	5,075	.020
20	2.16	2.16	2.75	8.45	4.37	4.98	50	74	5,075	.030
24	2.75	2.95	3.89	9.68	4.70	6.04	100	185	4,350	.050

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FSI-CC - 08 - 08 - C - NPT

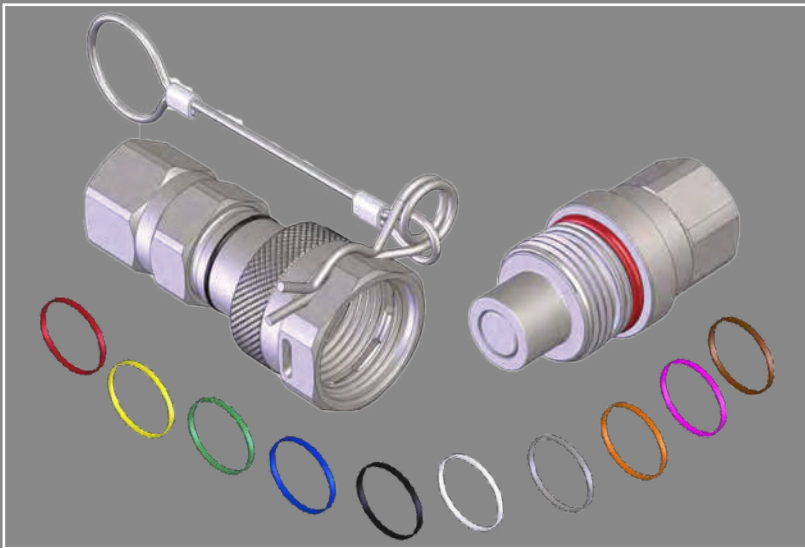
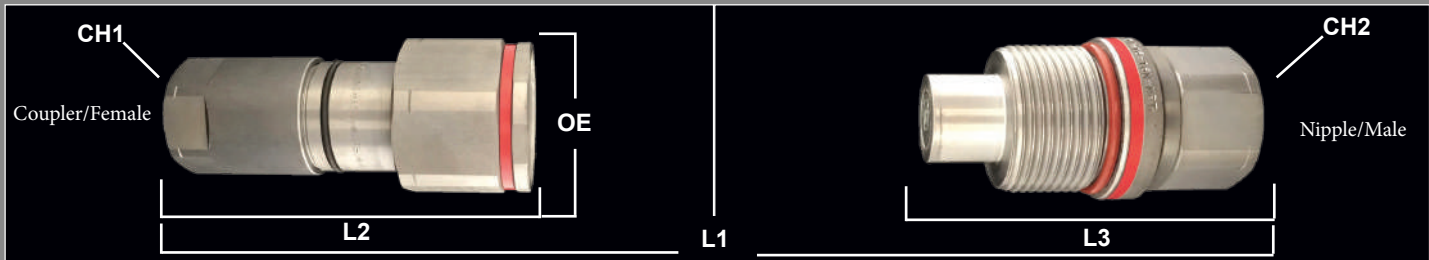
FSI-CC SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Flush Face Screw Type Coupling Connect under pressure color code	04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	NPT	NPT
	06	3/8"	20	1-1/4"	06	3/8"	20	1-1/4"	N	Nipple	SAE	O-Ring/UNF
	08	1/2"	24	1-1/2"	08	1/2"	24	1-1/2"			BSP	British Standard Parallel
	12	3/4"			12	3/4"						



FSI-PINLOCK SERIES QUICK COUPLINGS

Flush Face - Screw Type - Connectable Under Pressure With Pin Lock

Sizes: 1/4" thru 2"



Features and Benefits

- Interchanges with Stucchi VEP
- High tech Z-786 anti-corrosion plating salt spray tested for 700 hours before any appearance of surface red rust
- High working pressures
- Connects and disconnects by hand up to 4,400 PSI
- Seal is blowout resistant to 4,400 PSI when connecting
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy duty hex nut
- Standard threads: NPT, SAE, BSPP, DIN, Code 62

Applications

- FSI series couplings are used in a wide range of industrial markets when connecting and disconnecting is needed
- High pressure, low pressure drop and high impulse applications
- Drilling Rigs, Oilfield Services, Drilling Equipment, Cranes, Heavy Equipment, Hammer Attachments and much more

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)	Fluid Spillage (cc)
04	.86	.86	1.53	4.58	2.34	2.64	3.17	6.34	6,525	.008
06	1.18	1.18	1.64	5.39	2.95	3.05	6.08	12.15	5,075	.010
08	1.41	1.41	1.96	6.00	4.35	3.56	12	24	5,075	.012
12	1.41	1.41	2.17	6.25	4.60	3.54	20	40	5,075	.015
16	1.61	1.61	2.32	7.50	5.26	4.21	26.5	53	5,075	.020
20	2.16	2.16	2.75	8.45	4.37	4.98	50	74	5,075	.030
24	2.75	2.95	3.89	9.68	4.70	6.04	100	185	4,350	.050

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

FSI-CC - 08 - 08 - C - NPT

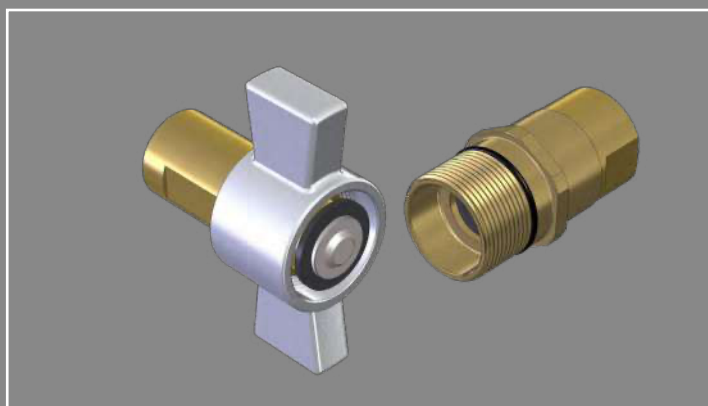
FSI-CC SERIES	Body Size	Body Size	Thread Size	Thread Size	Coupler / Nipple	Thread Type
Flush Face Screw Type Coupling Connect under pressure color code	04 1/4"	16 1"	04 1/4"	16 1"	C Coupler	NPT NPT
	06 3/8"	20 1-1/4"	06 3/8"	20 1-1/4"	N Nipple	SAE O-Ring/UNF
	08 1/2"	24 1-1/2"	08 1/2"	24 1-1/2"		BSP British Standard Parallel
	12 3/4"		12 3/4"			



VFF SERIES QUICK COUPLINGS

Brass Wing Style - Screw to Connect

Sizes: 3/4" thru 1-1/2"



Features and Applications

- Connect and disconnect under residual pressure
- Wing or Hex Nut
- Universal design for interchangeability
- Used frequently in oilfield applications
- Wet line kits

MATERIALS

Body: Brass
Wing Nut: Carbon Steel
Seals: NBR standard seals
Threads: NPT

MAJOR INTERCHANGES

Parker 6100 Faster FB
Safeway S51 Aeroquip 5100
Dixon W SnapTite 78
Tomco A51

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Working (PSI)
12	1.15	1.32	4.07	5.26	3.09	3.09	35	3,000
16	1.44	1.57	4.41	6.10	3.73	3.55	55	3,000
20	1.78	1.90	5.20	6.50	3.94	3.72	80	3,000
24	2.00	2.26	5.32	8.30	4.10	4.10	110	2,500

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

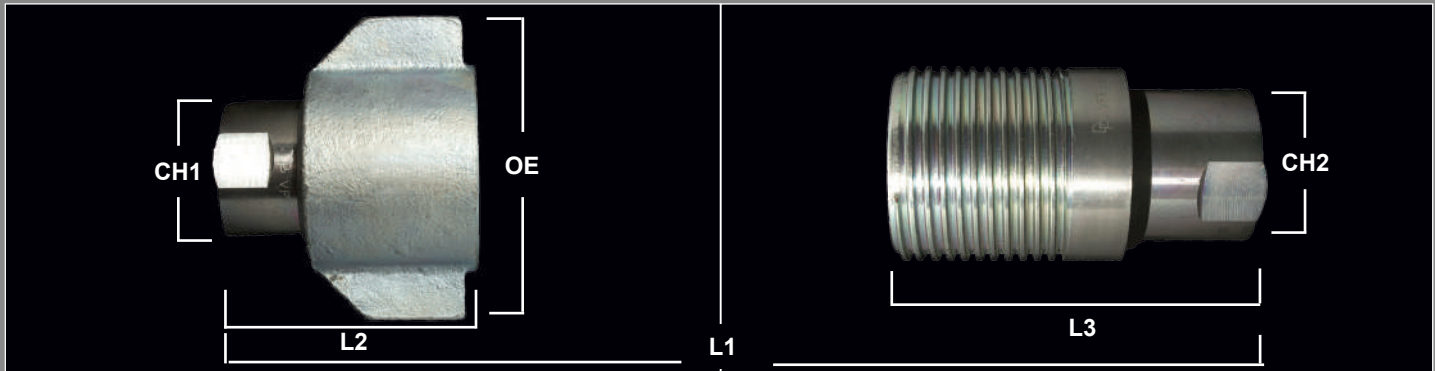
VFF - 12 - 12 - C - NPT

VFF SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Brass Wing Style Coupling	12	3/4"	20	1-1/4"	08	1/2"	20	1-1/4"	C	Coupler	NPT	NPT
	16	1"	24	1-1/2"	12	3/4"	24	1-1/2"	N	Nipple		
					16	1"						



VFF-HD SERIES QUICK COUPLINGS

Heavy Duty Wing Style - Screw to Connect
 Sizes: 3/4" thru 2"



Features and Applications

- Heavy duty acme threads
- High flow rate
- VFF-HD has a universal design that can be used in any industry
- Used frequently in oilfield applications
- Applications needing high working pressures and high flow rates
- Oilfield services such as coiled tubing units, snubbing units, power swivels and much more

MATERIALS

Body: Carbon Steel
 Finishing: ZN-Fe
 Seals: NBR standard seals
 Threads: NPT

MAJOR INTERCHANGES

Dixon WS Hydraulics INC 5TV
 SnapTite 75

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
12	1.39	1.39	2.24	4.86	2.74	3.28	40	5,075
16	1.78	1.78	2.76	6.90	3.33	4.17	60	5,075
20	2.14	2.14	3.25	7.24	4.29	5.37	82	5,075
24	2.50	2.50	3.80	8.30	5.00	6.00	110	5,075
32	3.25	3.25	4.71	9.33	6.00	7.06	240	5,075

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

VFF-HD - 12 - 12 - C - NPT

VFF-HD-CC SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Wing Style Heavy Duty 5K PSI Carbon Steel Coupling	12	3/4"	24	1-1/2"	12	3/4"	24	1-1/2"	C	Coupler	NPT	NPT
	16	1"	32	2"	16	1"	32	2"	N	Nipple		
	20	1-1/4"			20	1-1/4"						



VIV1 SERIES QUICK COUPLINGS

High Flow Screw Type
 Sizes: 1-1/4" thru 3"



Features and Applications

- Connectable under residual pressure
- Large bore couplings
- Thread to connect eliminates brinelling issues
- Hydraulic return lines
- Low pressure diesel supply lines
- Applications needing large bore with high flow rates

MATERIALS

Body: ZN-Fe (CRIII) with Hex Sleeve
 Seals: NBR standard seals
 Threads: NPT & BSPP

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Hex Size	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
20	1.97	1.97	2.48	5.43	2.76	4.06	2-3/4"	77	127	2,350
24	2.05	2.05	2.76	5.71	2.87	4.25	3"	100	185	2,050
32	3.15	3.15	4.09	7.03	3.50	5.26	4-1/2"	200	265	1,750
40	3.15	3.15	4.09	6.81	3.35	5.12		225	300	1,750
48	3.95	3.95	4.85	9.81	5.25	6.50		300	525	1,450

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

VIV1 - 20 - 20 - C - NPT

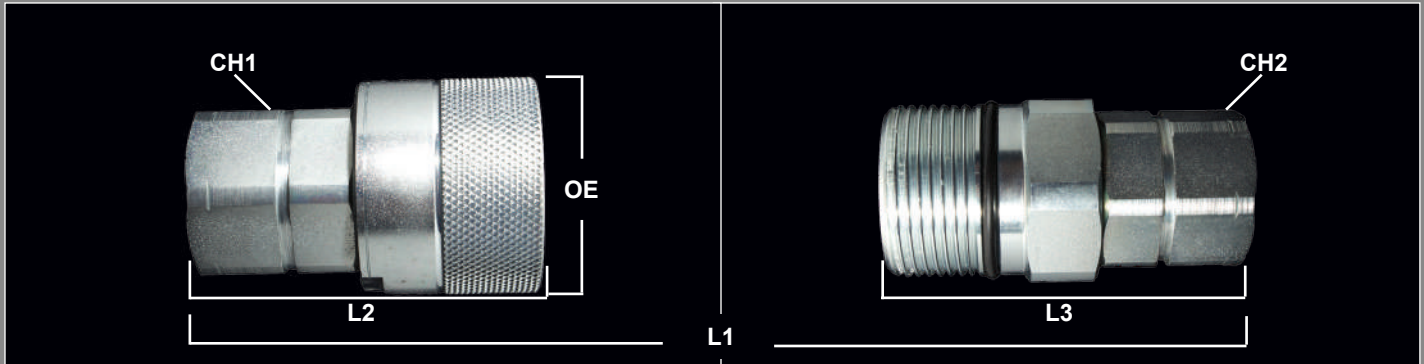
VIV1 SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Low Pressure Screw Type Coupling Hex or Brass Sleeve	20	1-1/4"	40	2-1/2"	20	1-1/4"	40	2-1/2"	C	Coupler	NPT	NPT
	24	1-1/2"	48	3"	24	1-1/2"	48	3"	N	Nipple	BSP	British Standard Parallel
	32	2"			32	2"						



PVV3 SERIES QUICK COUPLINGS

Screw To Connect - Connect Under Pressure

Sizes: 1/4" thru 1-1/4"



Features and Applications

- Widely used in German market
- PVV3 is ideal for systems with high impulses and systems experiencing trapped pressure in hydraulic lines
- Cranes, Hammers, Rock Crushers, Shears, Micro-tunneling, Mining & Pile Driving

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT, BSPP, DIN

MAJOR INTERCHANGES

Faster CVV Voswinkel HS
TCH Germany 65 Argus HDK

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.75	.75	1.35	3.66	2.32	2.28	3.17	4.49	6,525
06	.87	.87	1.34	3.86	2.52	1.93	6.10	12.15	5,800
08	1.42	1.42	1.65	4.29	2.76	2.20	11.89	23.78	5,800
12	1.61	1.61	1.87	5.08	3.31	2.60	28.00	50.19	4,350
16	1.97	1.97	2.17	5.98	3.94	3.07	49.93	73.97	4,350
20	2.17	2.17	3.15	8.27	4.96	5.16	76.00	126.80	4,350

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVV3 - 12 - 12 - C - NPT

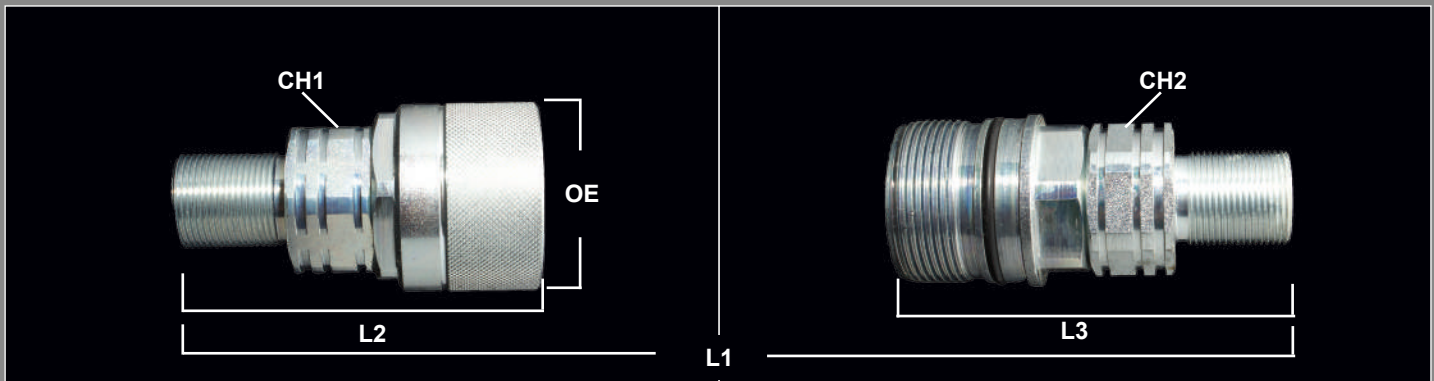
PVV3 SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Connect Under Pressure Screw Together Couplings	04	1/4"	12	3/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
	06	3/8"	16	1"	06	3/8"	16	1"	N	Nipple	BSP	British Standard Parallel
	08	1/2"	20	1-1/4"	08	1/2"	20	1-1/4"			DIN	Metric



PVV3-BH SERIES QUICK COUPLINGS

Bulkhead - Screw To Connect - Connect Under Pressure

Sizes: 1/4" thru 1-1/4"



Features and Applications

- Widely used in German Market
- PVV3 is ideal for systems with high impulse and systems experiencing trapped pressures in hydraulic lines
- Cranes, Hammers, Rock Crushers, Sheers, Micro-Tunneling, Mining & Pile Driving

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: DIN Light / DIN Heavy

MAJOR INTERCHANGES

Faster CVV Voswinkel HS
TCH Germany 65 Argus HDK

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.18	1.18	1.65	1.65	2.56	2.00	11.89	23.78	5,800
12	1.42	1.42	1.87	5.08	3.31	2.60	28.00	50.19	4,350
16	1.61	1.61	2.17	5.91	3.90	3.03	49.93	73.97	4,350
20	2.17	2.17	3.15	7.40	4.53	4.72	76.10	126.80	4,350

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVV3 - 08 - 12L - BH - C

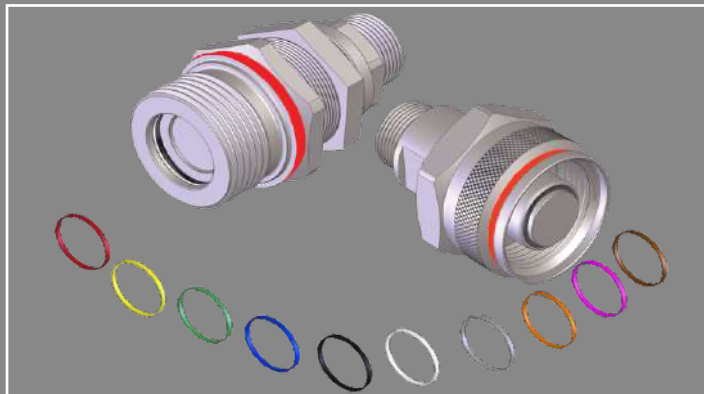
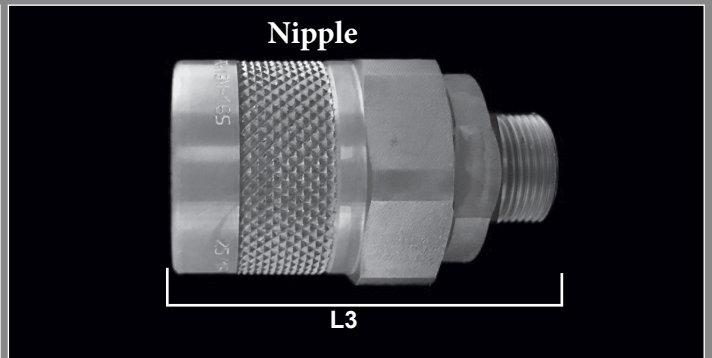
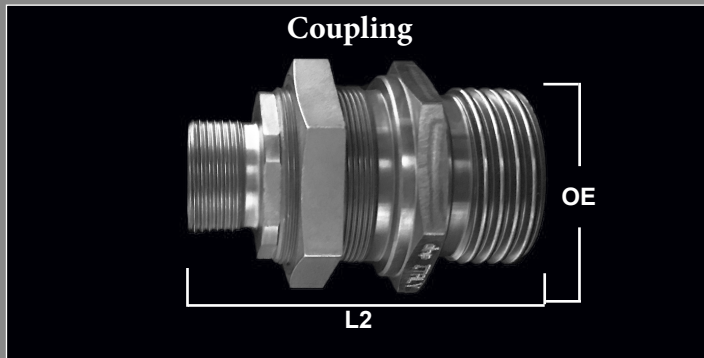
PVV3-BH SERIES	Body Size		Body Size		Thread Size		Thread Size		Thread Type		Coupler / Nipple	
High Resistance Screw Together Coupling	08	1/2"	16	1"	12L	18mm X 1.5	20S	30mm X 2.0	BH	DIN-Bulkhead	C	Coupler
	12	3/4"	20	1-1/4"	15L	22mm X 1.5	25S	36mm X 2.0	Blank	DIN Male	N	Nipple
					16S	24mm X 1.5	30S	42mm X 2.0				
							38S	52mm X 2.0				



G SERIES QUICK COUPLINGS

Flush Face Screw Together

Crane & Heavy Hauling Markets



Features and Applications

- High working pressures up to 6092 PSI
- Compact design
- Heavy hauler/ crane market
- Connectable under pressure
- -4° F to + 212° F

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: German DIN

MAJOR INTERCHANGES

German Market
Voswinkle
TCH

Series, Group and Pressures

Series	W.P.	B.P.	Rated Flow (Connected)	Max Flow (GPM)
G2CC	6092	23,206	6.07	12.13
G3CC	6092	18,275	11.88	23.75
G4CC	6092	18,275	28.00	39.63
G6CC	6092	14,504	49.88	63.38
G8CC	6092	16,679	76.07	152.13

Key Note:

- Color Safe System options available



G SERIES QUICK COUPLINGS

Flush Face Screw Together

Crane & Heavy Hauling Markets

Part Number	Tube Size	Thread Size	OE	L1	L2	Side
G2CC-B-12L-VS	12L	M18X1.5	M32X3	2.17"	2.40"	COUPLING
G2CC-X-12L	12L	M18X1.5	M32X3	2.17"	2.40"	NIPPLE
G2CC-B-10S-VS	10S	M18X1.5	M32X3	2.20"	2.44"	COUPLING
G2CC-X-10S	10S	M18X1.5	M32X3	2.20"	2.44"	NIPPLE
G2CC-B-12S-VS	12S	M20X1.5	M32X3	2.20"	2.44"	COUPLING
G2CC-X-12S	12S	M20X1.5	M32X3	2.20"	2.44"	NIPPLE
G2CC-B-16S-VS	16S	M24X1.5	M32X3	2.28"	2.52"	COUPLING
G2CC-X-16S	16S	M24X1.5	M32X3	2.28"	2.52"	NIPPLE
G3CC-B-15L-VS	15L	M22X1.5	M36X3.0	2.56"	N/A	COUPLING
G3CC-X-15L	15L	M22X1.5	M36X3.0	2.56"	3.07"	NIPPLE
G3CC-B-16S-VS	16S	M24X1.5	M36X3.0	2.64"	N/A	COUPLING
G3CC-X-16S	16S	M24X1.5	M36X3.0	2.64"	3.15"	NIPPLE
G3CC-B-20S-VS	20S	M30X2.0	M36X3.0	2.74"	N/A	COUPLING
G3CC-X-20S	20S	M30X2.0	M36X3.0	2.74"	3.20"	NIPPLE
G4CC-B-18L-VS	18L	M26X1.5	M48X3.0	3.03"	N/A	COUPLING
G4CC-X-18L	18L	M26X1.5	M48X3.0	N/A	3.03"	NIPPLE
G4CC-B-20S-VS	20S	M30X2.0	M48X3.0	3.19"	N/A	COUPLING
G4CC-X-20S	20S	M30X2.0	M48X3.0	N/A	3.19"	NIPPLE
G6CC-B-22L-VS	22L	M30X2.0	M54X4.0	3.62"	N/A	COUPLING
G6CC-X-22L	22L	M30X2.0	M54X4.0	N/A	4.13"	NIPPLE
G6CC-B-28L-VS	28L	M36X2.0	M54X4.0	3.62"	N/A	COUPLING
G6CC-X-28L	28L	M36X2.0	M54X4.0	N/A	4.21"	NIPPLE
G6CC-B-20S-VS	20S	M30X2.0	M54X4.0	3.74"	N/A	COUPLING
G6CC-X-20S	20S	M30X2.0	M54X4.0	N/A	4.29"	NIPPLE
G6CC-B-25S-VS	25S	M36X2.0	M54X4.0	3.82"	N/A	COUPLING
G6CC-X-25S	25S	M36X2.0	M54X4.0	N/A	4.37"	NIPPLE
G6CC-B-30S-VS	30S	M42X2.0	M54X4.0	3.90"	N/A	COUPLING
G6CC-X-30S	30S	M42X2.0	M54X4.0	N/A	4.45"	NIPPLE
G8CC-B-35L-VS	35L	M45X2.00	M79X4	4.80"	N/A	COUPLING
G8CC-X-35L	35L	M45X2.00	M79X4	N/A	5.35"	NIPPLE
G8CC-B-42L-VS	42L	M52X2.00	M79X4	4.80"	N/A	COUPLING
G8CC-X-42L	42L	M52X2.00	M79X4	N/A	5.35"	NIPPLE
G8CC-X-38S	38S	M52X2.00	M79X4	4.92"	N/A	COUPLING
G8CC-B-38S-VS	38S	M52X2.00	M79X4	N/A	5.35"	NIPPLE

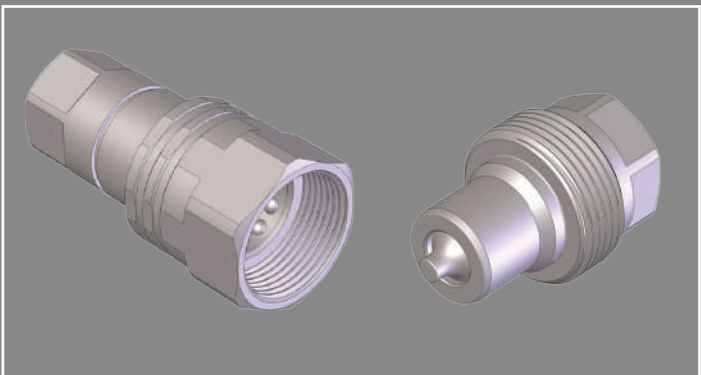
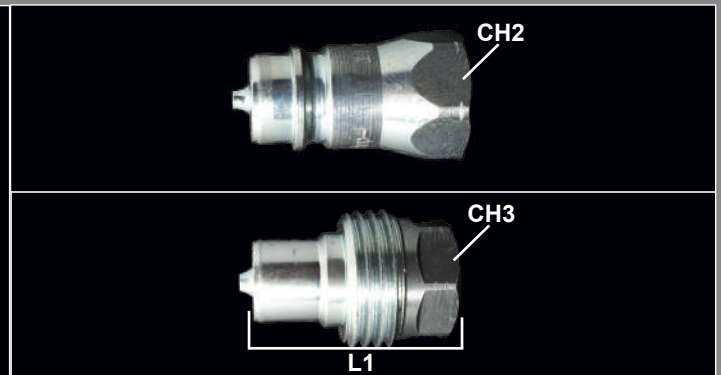
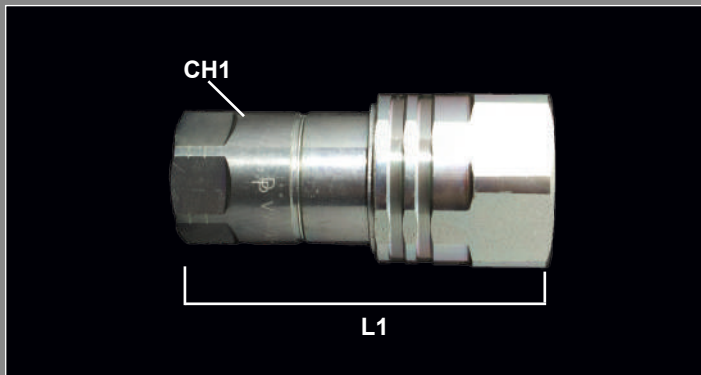
units: inches



VV SERIES QUICK COUPLINGS

All In One - Screw Type - Push / Pull

Sizes: 1/4" thru 1"



Features and Applications

- Interchangeable to DNP ANV poppet style
- Connect under residual pressure
- VV series is ideal for mobile equipment
- High vibration applications
- Snow Plows
- Compact screw type in tight plumbing spaces

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT & BSP

MAJOR INTERCHANGES

Faster VV

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	CH3	L1	L2	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.75	.75	1.38	2.07	1.03	4.8	5,000
06	.94	.94	1.673	2.46	1.59	8.0	4,350
08	1.06	1.06	1.89	2.74	1.93	12	4,350
12	1.34	1.34	2.24	3.47	2.44	24	3,625
16	1.60	1.60	2.58	4.13	2.75	37	3,350

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

VV - 12 - 12 - C - NPT

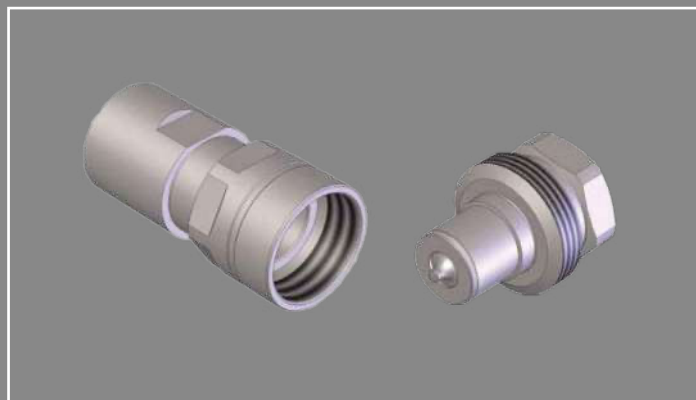
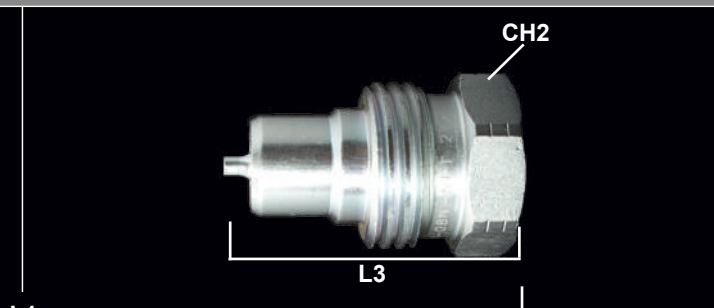
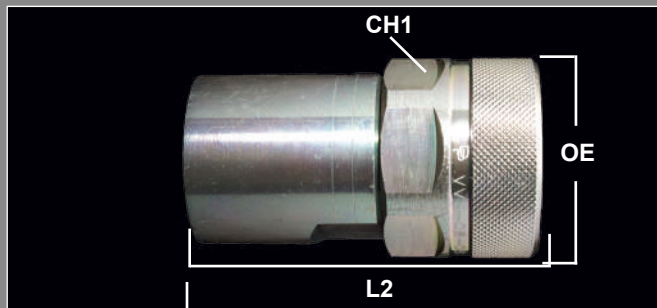
VV SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
All in One, Push-Pull & Screw Type Coupling Connect Under Pressure & Non-Connect Under Pressure	04	1/4"	12	3/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
	06	3/8"	16	1"	06	3/8"	16	1"	N	Nipple	BSP	BSP
	08	1/2"			08	1/2"						



VVS SERIES QUICK COUPLINGS

High Pressure - Screw to Connect

Sizes: 1/4" thru 1-1/4"



Features and Applications

- Low pressure drop
- Connect under pressure up to 3,000 PSI
- Thread to connect couplings eliminates brinelling
- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed
- High pressure valved applications
- Wireline applications
- High impulse applications
- High vibration

MATERIALS

Body: High Resistant Steel
 Finishing: ZN-Fe (CRIII) Plating
 Seals: NBR standard seals
 Threads: NPT & BSPP

Interchange:
 Faster VVS

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	1.06	.984	1.18	3.30	2.67	1.69	2.1	10,000
06	1.42	1.26	1.57	3.54	2.95	1.89	4.8	9,425
08	1.61	1.34	1.77	4.00	3.40	2.36	7.9	8,700
12	1.96	1.80	2.16	4.77	4.22	2.72	12.0	7,250
16	2.17	1.97	2.34	5.56	5.00	3.12	28.0	6,670
20	2.95	2.56	3.15	6.57	6.02	3.39	49.0	6,670
24	3.54	3.14	3.83	7.63	6.60	3.74	79.0	5,220

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

VVS - 12 - 12 - C - NPT

VVS SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
High Flow, High Pressure Screw Together Coupling	04	1/4"	12	3/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
	06	3/8"	16	1"	06	3/8"	16	1"	N	Nipple	BSP	BSP
	08	1/2"	20	1-1/4"	08	1/2"	20	1-1/4"				
			24	1-1/2"			24	1-1/2"				



VVS - SS SERIES QUICK COUPLINGS (VVVX)

316 Stainless Steel - High Pressure - Screw to Connect

Sizes: 1/4" thru 2"



Features and Applications

- Thread to connect couplings eliminates brinelling
- Connect under pressure to 3,000 PSI
- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed
- High pressure valved applications
- Offshore and Marine
- Drill Ships, FPSO, Drilling Equipment, Rig Cranes, Winches, Platforms, Offshore Salvage, Wireline, Grease injection and sour gas

MATERIALS

Body: 316 Stainless Steel
Seals: NBR standard seals
Threads: NPT & BSPP

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Flow Rate (GPM)	Max Working (PSI)
04	1.06	.984	1.18	3.30	2.67	1.69	1.59	3.17	13,000
06	1.42	1.26	1.57	3.54	2.95	1.89	6.08	10	9,425
08	1.61	1.34	1.77	4.00	3.40	2.36	12	18.5	8,700
12	1.96	1.80	2.16	4.77	4.22	2.72	28	30	7,250
16	2.17	1.97	2.34	5.56	5.00	3.12	50	50	6,700
20	2.95	2.56	3.15	6.57	6.02	3.39	76	95	5,200
24	2.95	3.15	3.86	7.36	6.77	3.74	100	206	5,200
32	3.94	4.33	5.08	8.94	8.07	4.65	200	265	3,050

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

VVS - SS - 12 - 12 - C - NPT

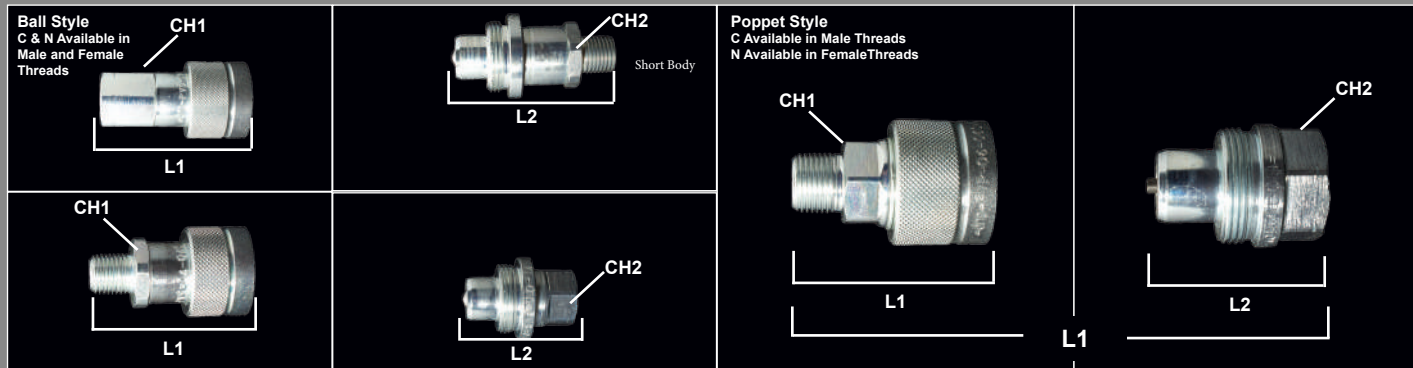
VVS-SS SERIES	Material	Body Size	Body Size	Thread Size	Thread Size	Coupler / Nipple	Thread Type
High Flow, High Pressure Screw Together Coupling	SS 316 Stainless Steel	04 1/4"	16 1"	04 1/4"	16 1"	C Coupler	NPT NPT
		06 3/8"	20 1-1/4"	06 3/8"	20 1-1/4"	N Nipple	BSP BSP
		08 1/2"	24 1-1/2"	08 1/2"	24 1-1/2"		
		12 3/4"	32 2"	12 3/4"	32 2"		



PVS (PVM) / PVP SERIES QUICK COUPLINGS

High Pressure - Screw Type

Sizes: 1/4" thru 3/8"



Features and Applications

- High Pressure Jacks
- Torque Equipment
- 10,000 PSI
- Ball style / Poppet style

MATERIALS

Body: High Resistant Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT & BSPP

Interchanges:

Parker 3000 Stucchi IVHP
Dixon T Safeway S30

DIMENSIONAL & PRESSURE RATING DATA

Male Threads

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04 (ball)	.866	.75	1.181	2.09	1.54	3.30	1.32	2.64	10,450
04 (poppet)	.866	.75	1.181	2.04	1.60	3.18	1.32	2.64	10,450
06 (ball)	.94	1.26	1.38	2.44	1.60	3.58	2.38	5.28	10,450
06 (poppet)	.94	1.26	1.38	2.19	1.67	2.87	2.38	5.28	10,450

Female Threads

04 (ball)	.87	.75	1.181	2.20	1.54	3.30	1.32	2.64	10,450
06 (ball)	.94	1.26	1.38	2.62	1.60	3.76	2.38	5.28	10,450

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PVS - 04 - 04 - C - F - NPT

PVS/PVP SERIES	
PVS	Porta Power Coupling (Ball Style)
PVP	Porta Power Coupling (Poppet Style)

Body Size	
04	1/4"
06	3/8"

Thread Size	
04	1/4"
06	3/8"

Coupler / Nipple	
C	Coupler
N	Nipple

Coupler Thread Gender	
(blank)	Male Thread
F	Female Thread
Nipple Thread Gender	
SM	Short Body
(blank)	Female Thread

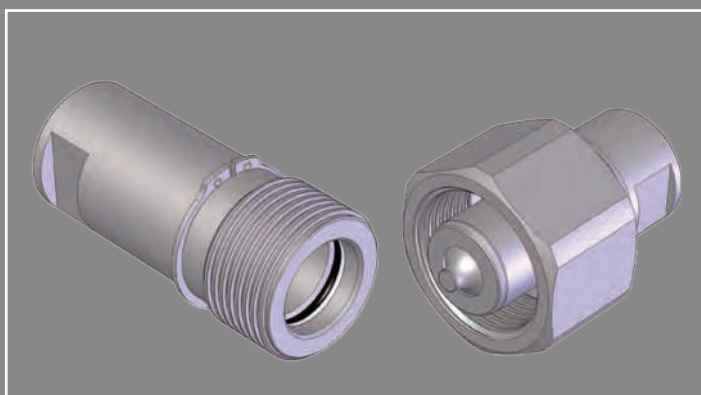
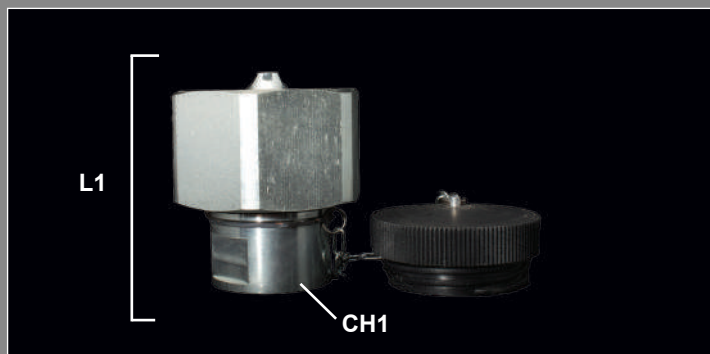
Thread Type	
NPT	NPT



PVR SERIES QUICK COUPLINGS

High Impulse - Screw To Connect

Sizes: 3/8" thru 1-1/2"



Features and Applications

- High impulse tested up to 1 million impulse cycles
- High working pressures
- Guided poppets
- High resistant steel
- Connectable under pressure
- Construction and demolition markets

MATERIALS

Body: Carbon Steel
 Finishing: ZN-Fe (CRIII) Plating
 Seals: NBR standard seals
 Threads: BSPP
 Accessories: Plastic cap & plug included with chain

MAJOR INTERCHANGES

Roflex / Holmbury Series

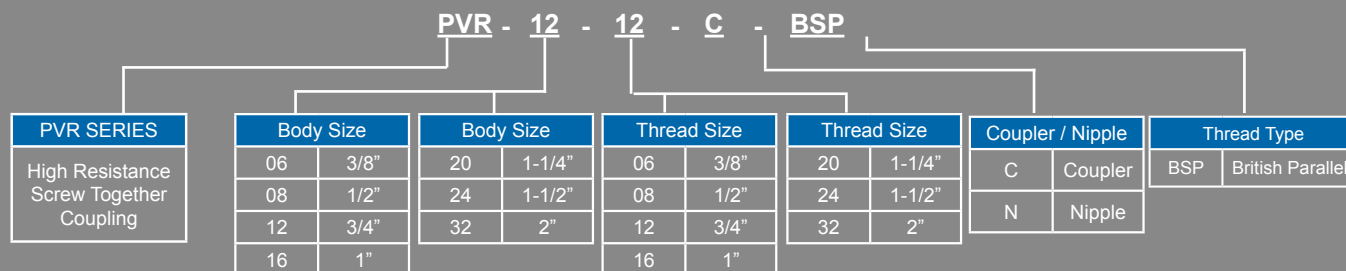
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	Flow Rate @ 14.7 PSI (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
06	.87	.87	1.42	2.24	3.03	6	13	8,845
08	.94	.94	1.57	2.76	3.74	12	22	6,815
12	1.18	1.18	1.77	2.87	3.90	28	40	5,000
16	1.57	1.57	2.28	3.19	4.17	50	75	5,000
20	1.81	1.81	2.60	3.46	4.65	75	120	5,000
24	2.17	2.17	2.95	3.54	4.76	100	185	4,000

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



ANV SERIES QUICK COUPLINGS (PAV1)

ISO 7241 - A - Poppet Style

Sizes: 1/4" thru 2"



Features and Applications

- Radial Locking Balls
- Manual connect and disconnect
- Ideal for general purpose hydraulics
- Economical applications
- Fast connecting and disconnecting

MATERIALS

Body: Carbon Steel
 Finishing: ZN-Fe (CRIII) Plating
 Seals: NBR standard seals
 Threads: NPT, SAE, BSP

MAJOR INTERCHANGES

Parker 6600 Faster AN
 Tomco A5600 Aeroquip 5600
 Dixon K SnapTite 61
 Stucchi BIR

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	CH3	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.751	.751	1.026	2.759	1.931	1.380	3.2	6.34	5,075
06	.868	.868	1.184	3.346	2.38	1.673	6.5	12.15	5,075
08	1.063	1.063	1.496	3.778	2.756	1.890	12	23.78	3,675
12	1.341	1.341	1.770	4.888	3.326	2.244	28	58.12	3,675
16	1.617	1.617	2.047	5.160	3.897	2.578	50	68.68	3,675
20	1.917	1.917	2.757	5.905	4.610	2.952	77	125.00	2,900
24	2.36	2.35	3.29	6.62	5.42	3.84	100	200	2,750
32	2.96	2.96	3.92	7.80	6.25	4.57	200	265	2,350

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

ANV - 12 - 12 - C - BSP

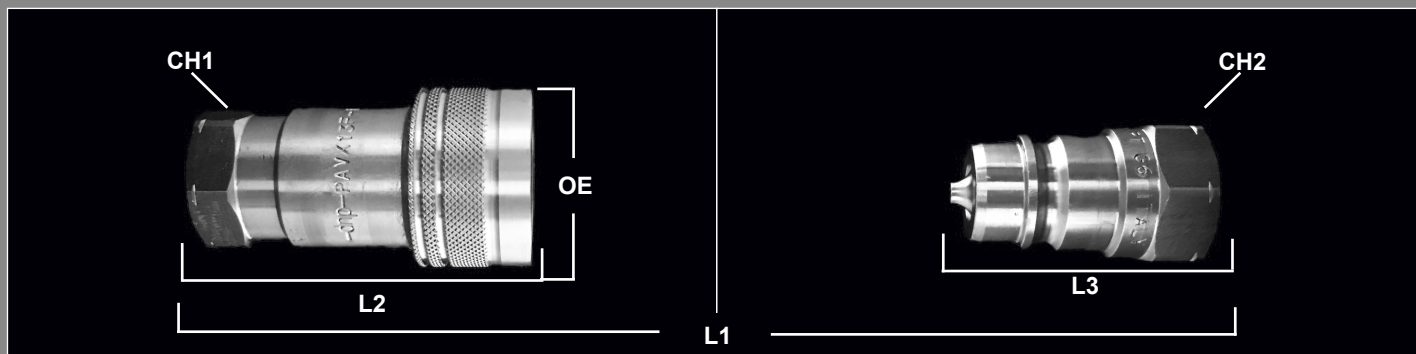
ANV SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
ISO 7241 - 1A	04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	NPT	NPT
	06	3/8"	20	1-1/4"	06	3/8"	20	1-1/4"	N	Nipple	SAE	O'Ring/UNF
	08	1/2"	24	1-1/2"	08	1/2"	22	22mm			MM	Metric
	12	3/4"	32	2"	12	3/4"	24	1-1/2"			BSP	British Parallel
							32	2"				



ANV-SS SERIES QUICK COUPLINGS (PAVX)

ISO 7241 - A - Poppet Style

Sizes: 1/4" thru 2" Stainless Steel



Features and Applications

- Radial Locking Balls
- Manual connect and disconnect
- Ideal for general purpose hydraulics
- Economical applications
- Fast connecting and disconnecting
- 316 Stainless Steel

MATERIALS

Body: Stainless Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT, SAE, BSP

MAJOR INTERCHANGES

Parker 6600 Faster AN
Tomco A5600 Aeroquip 5600
Dixon K SnapTite 61
Stucchi BIR

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	CH3	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.751	.751	1.026	2.759	1.931	1.380	3.2	6.34	5,145
06	.868	.868	1.184	3.346	2.38	1.673	6.5	12.15	4,410
08	1.063	1.063	1.496	3.778	2.756	1.890	12	23.78	3,675
12	1.341	1.341	1.770	4.888	3.326	2.244	28	58.12	3,675
16	1.617	1.617	2.047	5.160	3.897	2.578	50	68.68	3,675
20	1.917	1.917	2.757	5.905	4.610	2.952	77	125.00	3,675
24	2.36	2.35	3.29	6.62	5.42	3.84	100	200	3,000
32	2.96	2.96	3.92	7.80	6.25	4.57	200	265	3,000

units: inches

Key Note:

- Color Safe System options available



ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

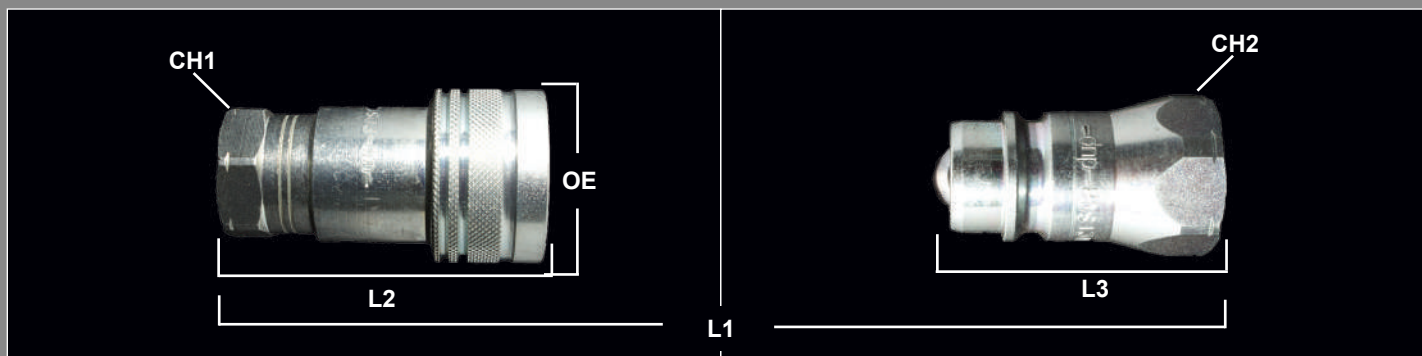
ANV - SS - 12 - 12 - C - BSP

ANV SERIES	Body	Body Size	Body Size	Thread Size	Thread Size	Coupler / Nipple	Thread Type
ISO 7241 - 1A	SS Stainless Steel	04 1/4"	16 1"	04 1/4"	16 1"	C Coupler	NPT NPT
		06 3/8"	20 1-1/4"	06 3/8"	20 1-1/4"	N Nipple	SAE O'Ring/UNF
		08 1/2"	24 1-1/2"	08 1/2"	22 22mm		MM Metric
		12 3/4"	32 2"	12 3/4"	24 1-1/2"		BSP British Parallel
					32 2"		

NS SERIES QUICK COUPLINGS (PDS1)

Agriculture Ball Type

Sizes : 1/4" thru 1"



Features and Applications

- Radial locking balls
- Manual connect and disconnect
- Commonly used in the agricultural market
- Economical Applications
- Fast connecting and disconnecting

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe
Seals: NBR standard seals
Threads: NPT & SAE

MAJOR INTERCHANGES

Parker 4000 Faster N
Aeroquip FD42 Dixon AG
SnapTite 76 Stucchi IR
Safeway S20

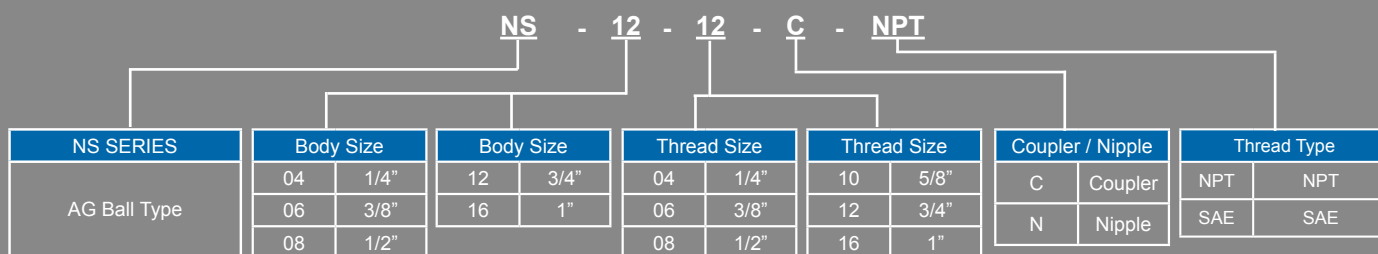
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.748	.748	1.063	2.992	2.185	1.496	2.91	5.28	4,350
06	.945	.945	1.390	3.346	2.480	1.673	5.55	9.25	3,675
08	1.063	1.063	1.496	3.780	2.756	1.890	7.93	14.53	2,940
12	1.339	1.339	1.850	4.488	3.386	2.244	15.85	31.70	2,940
16	1.614	1.614	2.047	5.157	3.898	2.579	21.15	42.27	2,940

units: inches

ORDERING INFORMATION

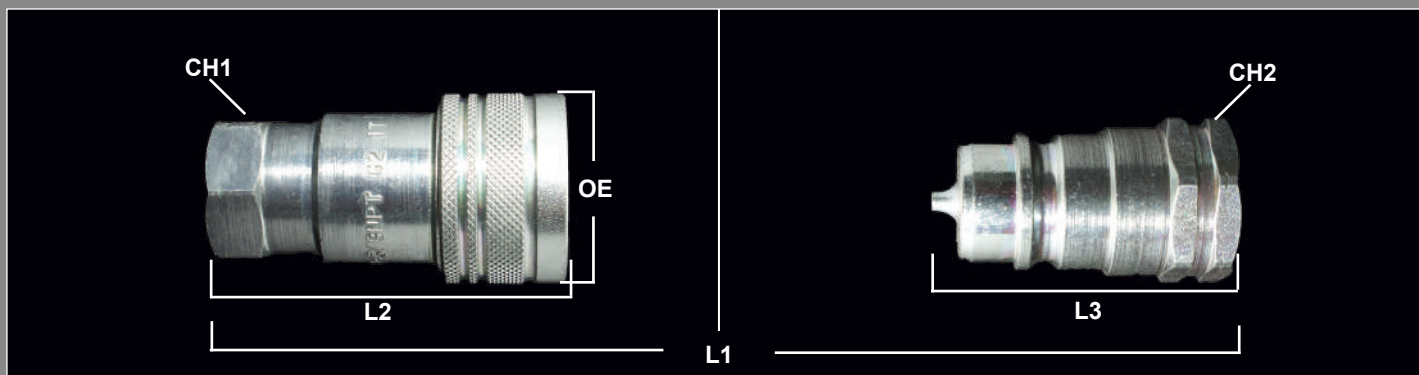
QUICK COUPLING PART NUMBERING SYSTEM:



NV SERIES QUICK COUPLINGS (PDV1)

Agriculture Poppet Style

Sizes: 1/4" thru 1"



Features and Applications

- Radial locking balls
- Manual connect and disconnect
- Commonly used in the agricultural market
- Economical Applications
- Fast connecting and disconnecting

MATERIALS

Body: Carbon Steel

Finishing: ZN-Fe

Seals: NBR standard seals

Threads: NPT & SAE

* 1/2" size interchanges with 1/2" ANV series

* 3/4" size only, interchanges with

Parker Pioneer

MAJOR INTERCHANGES

Parker 4000 Faster N

Aeroquip FD42 Dixon AG

SnapTite 76 Stucchi IRV

Safeway S20

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
04	.751	.751	1.026	2.75	1.931	1.380	3.2	6.34	5,800
06	.868	.868	1.184	3.346	2.38	1.673	6.5	12.15	5,075
See ANV Series 08 Body Size									
12	1.341	1.341	1.770	4.888	3.326	2.244	28	50.19	3,625
16	1.617	1.617	2.047	5.160	3.897	2.578	50	66.04	3,625
20	1.96	1.96	2.75	5.94	4.61	2.96	55	126	3,200

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

NV - **12** - **12** - **C** - **NPT**

NV SERIES	Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
AG Poppet Type	04	1/4"	12	3/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
	06	3/8"	16	1"	06	3/8"	16	1"	N	Nipple	SAE	SAE
	08	1/2"	20	1-1/4"	08	1/2"	20	1-1/4"				

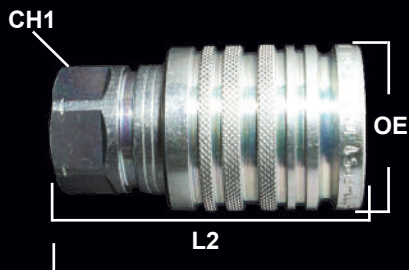


PPS / PPV/ANV-K SERIES QUICK COUPLINGS

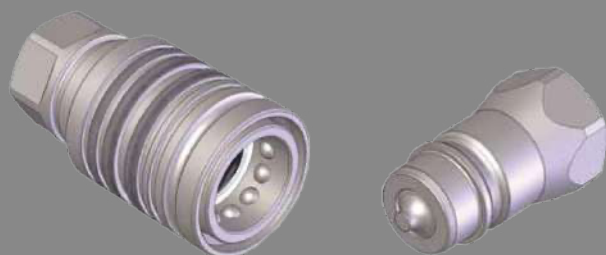
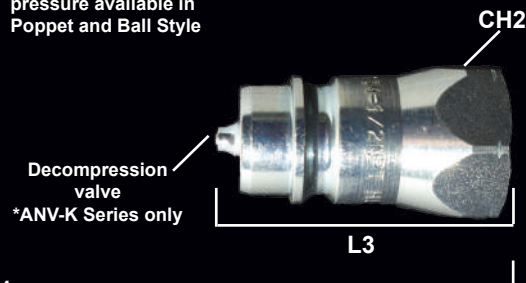
Push Pull
Sizes: 1/2"



Coupler Available in
Ball & Poppet Style



Nipple connect under
pressure available in
Poppet and Ball Style



Features and Applications

- Ideal for mobile applications using hydraulic attachments
- PPS / PPV are designed to break away in case of accidental pulls
- One hand to connect and disconnect
- * ANV - K can be used with the PPV in cases where the implement has trapped pressures in the hydraulic lines

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT, BSP, & Metric
* PPV interchanges with 1/2" NV Series

MAJOR INTERCHANGES

Parker 4000 Faster 3CPU
Aeroquip F72 Dixon AG
SnapTite 61 Stucchi IRS
Safeway S40

DIMENSIONAL & PRESSURE RATING DATA

PPS & ANV-K (Ball Style)

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal FlowRate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.063	1.063	1.496	3.78	2.756	1.890	11.89	14.53	2,490

DIMENSIONAL & PRESSURE RATING DATA

PPV & ANV-K (Poppet Style)

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.063	1.063	1.496	3.78	2.756	1.890	11.89	23.78	3,675

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

PPS - 08 - 08 - C - NPT

PPS/PPV/ANV-K SERIES	
PPV	Poppet Push-Pull Coupler
PPS	Ball Push-Pull Coupler
ANV-K	Connect under pressure Poppet Style Nipple
NSK	Connect under pressure Ball Style Nipple

Body Size	
08	1/2"

Thread Size	
08	1/2"

Coupler / Nipple	
C	Coupler
N	Nipple

Thread Type	
NPT	NPT

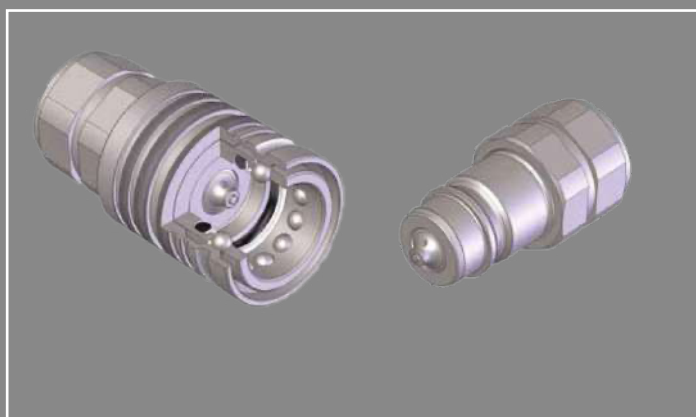
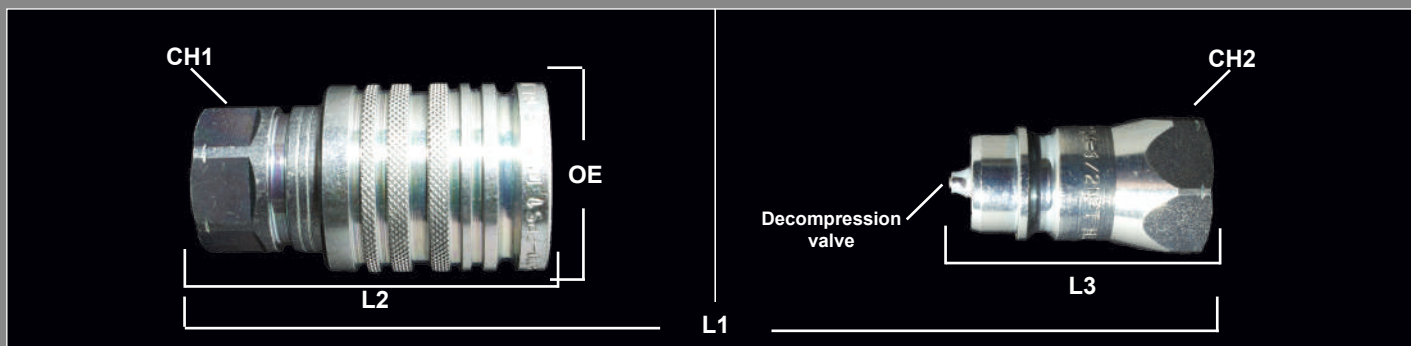


PKK3 SERIES QUICK COUPLINGS

ISO 17241 - A - Push Pull - Panel Mount Agricultural Style

Female Coupling

Sizes: 1/2"



Features and Applications

- Connectable under pressure
- Push pull design
- One hand operation to connect
- Break away coupling when coupling sleeve is fixed
- Decompression valves on coupling and nipple
- Interchangeable with 1/2" ISO A

MATERIALS

Body: Steel

Finishing: Zn-Fe (CRIII)

Seals: NBR

Threads: BSP,NPT,SAE,Metric

*other threads available upon request

MAJOR INTERCHANGES

Parker 4200

Faster CPV

Aeroquip FP72

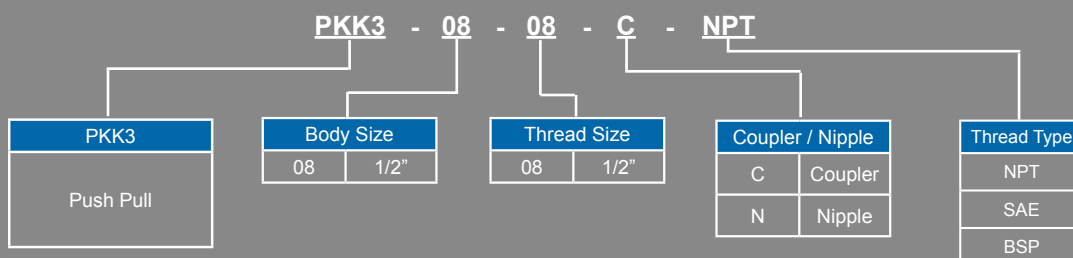
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.182	1.182	1.496	5.39	2.953	2.441	11.89	23.78	3625

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

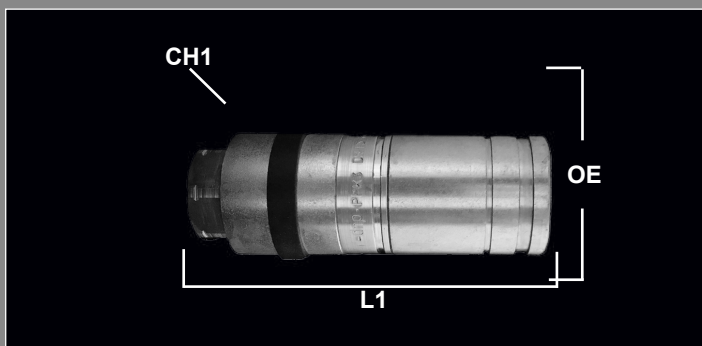


PPK3 SERIES QUICK COUPLINGS

ISO 17241- A - Agricultural Style Push-Pull

Female Coupling Interchange

Sizes: 1/2" Only



Features and Applications

- Push pull style
- One hand operation
- No clamping device required
- Commonly found on back of tractors

MATERIALS

Body: Steel

Finishing: Zn-Fe (CRIII)

Seals: NBR

Threads: SAE, NPT, BSP, Metric

MAJOR INTERCHANGES

Faster 3CFHF

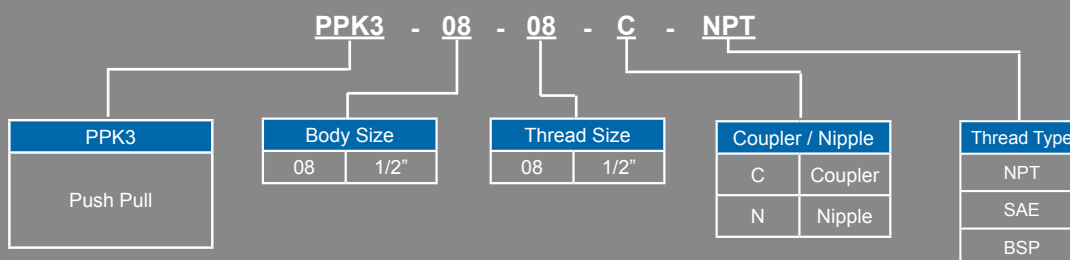
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.26	NA	1.496	4.37			11.89	23.78	3625

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

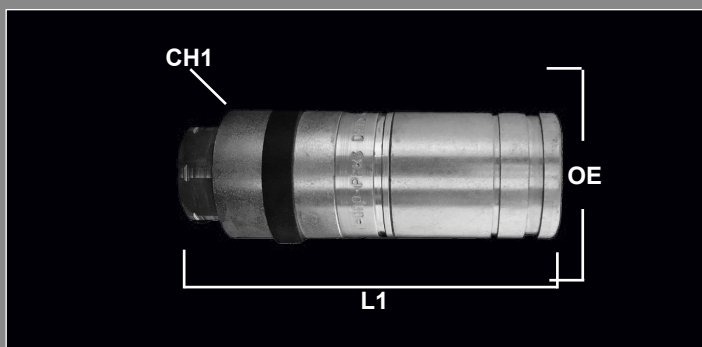


PPK4 SERIES QUICK COUPLINGS

ISO 17241 - A - Agricultural Style Push-Pull

Female Coupling

Sizes: 1/2" Only



Features and Applications

- Push pull style
- Connect under pressure
- One hand operation
- No clamping device required
- Decompression valves included allowing connection under pressure

MATERIALS

Body: Steel

Finishing: Zn-Fe (CRIII)

Seals: NBR

Threads: NPT,SAE,BSP,Metric

MAJOR INTERCHANGES

Faster 4, SRHF

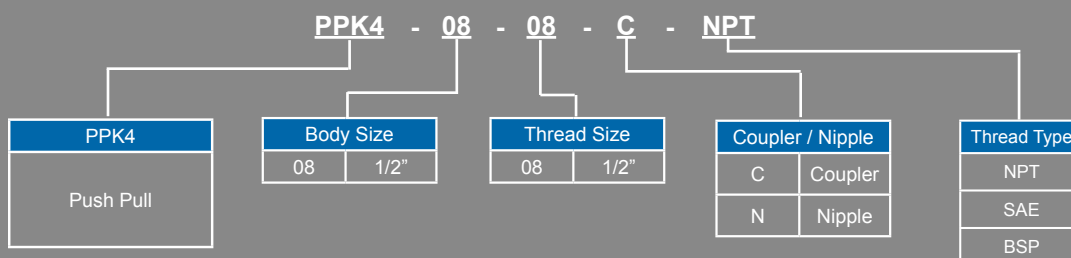
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.496	N/A	1.496	4.37			11.89	23.78	3625

units: inches

ORDERING INFORMATION

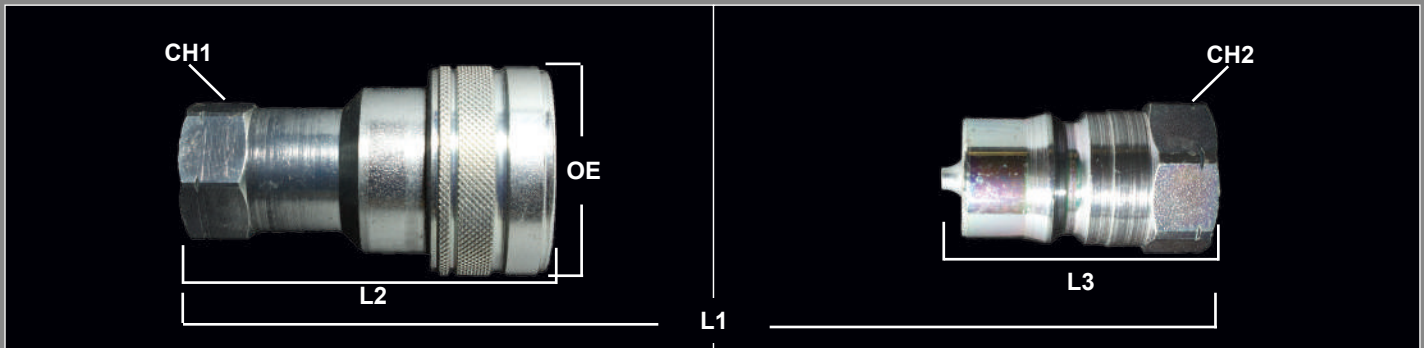
QUICK COUPLING PART NUMBERING SYSTEM:



HNV SERIES QUICK COUPLINGS (PBV1)

ISO 7241 - B - Industrial Poppet Type

Sizes: 1/8" thru 1"



Features and Applications

- Industrial interchange
- Radial locking balls
- Manual connect and disconnect
- Industrial Markets
- Fast connecting and disconnecting

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII) Plating
Seals: NBR standard seals
Threads: NPT

MAJOR INTERCHANGES

Parker 60 Faster HN
Tomco THK Aeroquip FD45
Dixon H SnapTite 72
Stucchi IRB Safeway S10

DIMENSIONAL & PRESSURE RATING DATA

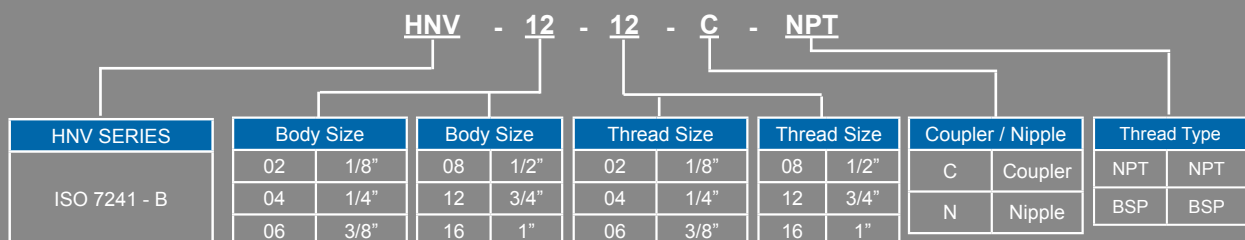
Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
02	.67	.67	.91	2.52	2.00	1.26	.80	2.38	7,250
04	.751	.751	1.026	2.759	1.931	1.380	3.2	6.34	3,626
06	.868	.868	1.184	3.346	2.38	1.673	6.5	12.15	3,626
08	1.063	1.063	1.496	3.778	2.756	1.890	12	23.78	3,675
12	1.341	1.341	1.770	4.888	3.326	2.244	28	58.12	3,675
16	1.617	1.617	2.047	5.160	3.897	2.578	50	68.68	3,675

*** Larger Bore Sizes Available**

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



HNV BRASS SERIES QUICK COUPLINGS (PBV1)

ISO 7241 - B - Industrial Interchange

Sizes: 1/4" thru 1"



Features and Applications

- Brass material for corrosion resistance
- Radial locking balls
- Manual connect and disconnect
- Hydraulic fluids
- Water
- Diesel / Petroleum

MATERIALS

Body: Brass
Seals: NBR standard seals
Threads: NPT

MAJOR INTERCHANGES

Parker 60 Faster HN
Tomco THK Aeroquip FD45
Dixon H SnapTite 72
Stucchi IRB Safeway S10

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.75	.75	1.10	3.01	2.36	1.50	3.17	3,000
06	.87	.87	1.38	3.37	2.65	1.67	6.08	3,000
08	1.06	1.06	1.73	3.80	2.98	1.89	12	2,600
12	1.34	1.34	2.05	4.51	3.60	2.24	28	2,000
16	1.61	1.61	2.36	5.20	4.17	2.58	50	2,000

* Additional flow rates on page???

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

HNV - B - 12 - 12 - C - NPT

HNV BRASS SERIES	Material	Body Size	Body Size	Thread Size	Thread Size	Coupler / Nipple	Thread Type
ISO 7241 - B	B Brass	04 1/4"	12 3/4"	04 1/4"	12 3/4"	C Coupler	NPT NPT
		06 3/8"	16 1"	06 3/8"	16 1"	N Nipple	
		08 1/2"		08 1/2"			

HNV 316 SS SERIES QUICK COUPLINGS (PBVX)

ISO 7241 - B

Sizes: 1/4" thru 1"



Features and Applications

- 316SS for ultimate corrosion resistance
- Radial locking balls
- Manual connect and disconnect
- Ideal for harsh environments such as offshore oil and gas markets
- Water Applications and Chemical Applications
- Food Grade

MATERIALS

Body: Stainless Steel
Seals: Viton seals
Threads: NPT

MAJOR INTERCHANGES

Parker 60 Faster HN
Tomco THK Aeroquip FD45
Dixon H SnapTite 72
Stucchi IRB Safeway S10

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.75	.66	1.10	2.92	2.29	1.60	3.17	5,000
06	.82	.82	1.36	3.23	2.60	1.77	6.08	4,300
08	1.13	1.13	1.76	3.56	2.89	1.90	12	4,300
12	1.37	1.37	2.10	4.15	3.45	2.35	28	3,000
16	1.60	1.65	2.56	4.96	4.07	2.74	50	2,800

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

HNV - SS316 - 12 - 12 - C - BSP

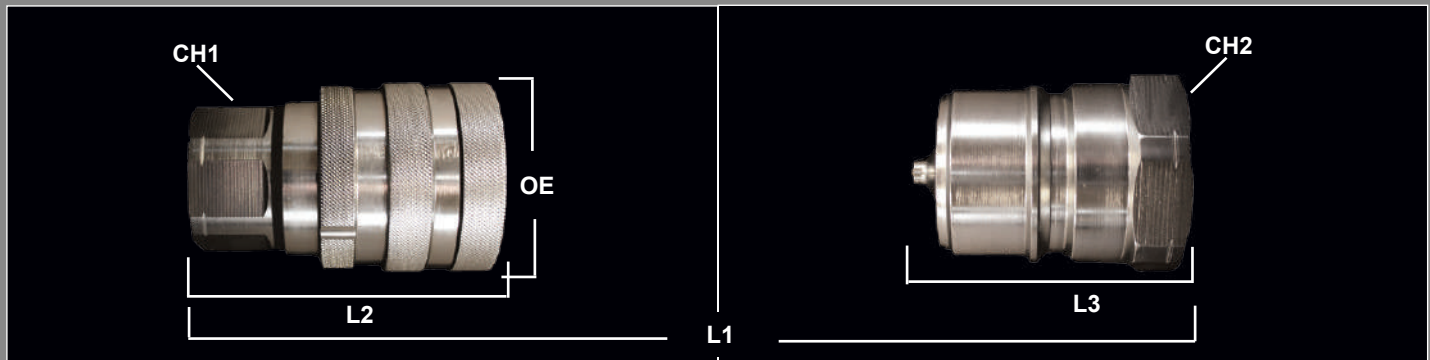
HNV-SS SERIES	Material		Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
ISO 7241 - B 316 SS	SS316	316 Stainless Steel	04	1/4"	12	3/4"	04	1/4"	12	3/4"	C	Coupler	NPT	NPT
			06	3/8"	16	1"	06	3/8"	16	1"	N	Nipple		
			08	1/2"			08	1/2"						



PT & PTK SERIES QUICK COUPLINGS

Quick Release European Interchange

Sizes: 1/2" thru 1"



Features and Applications

- Higher working pressure than standard push pull poppet style couplings
- Higher flow rates than standard poppet style couplings
- Lower pressure drop than standard couplings while maintaining high working pressure
- Locking sleeve design to prevent accidental disconnection
- PTK Series is connectable under pressure up to 4,500 PSI
- Hydraulic Systems, Chemical Industries, Industrial Plants and Mobile Machinery

MATERIALS

Body: Carbon Steel
Seals: Buna Seals
Threads: NPT and BSP

MAJOR INTERCHANGES

Dixon TR Stucchi IRH
TEMA

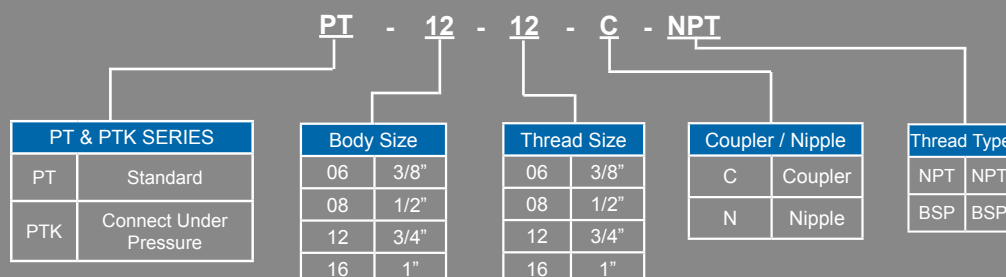
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM)	Suggested Flow Rate (GPM)	Working Pressure (PSI)
06	.94	.87	1.38	3.35	2.60	1.67	11.38	23	5,365
08	1.10	1.00	1.50	3.80	2.90	1.90	13	42	5,000
12	1.40	1.40	2.00	3.90	3.10	1.90	30	56	4,350
16	1.70	1.70	2.40	4.40	3.60	2.20	48	100	4,350

units: inches

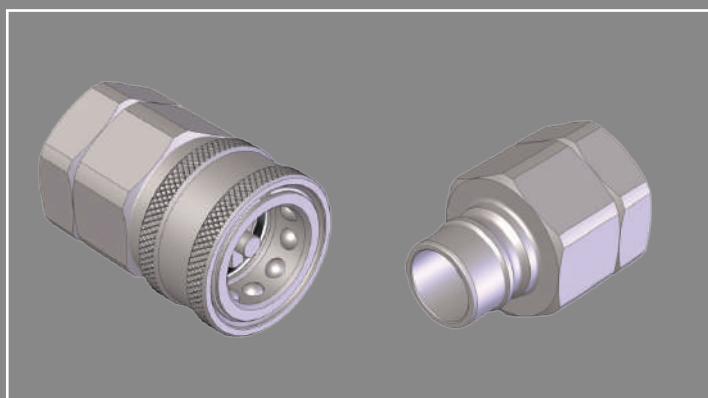
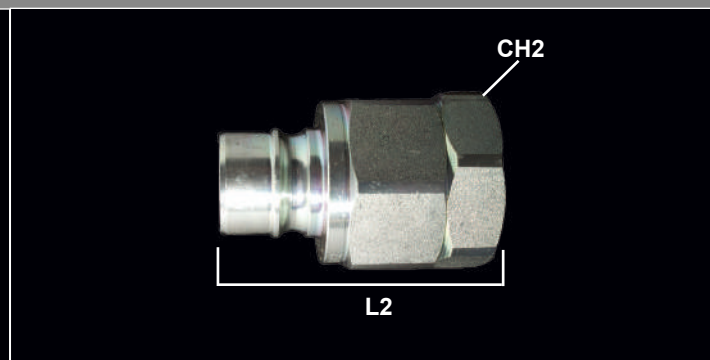
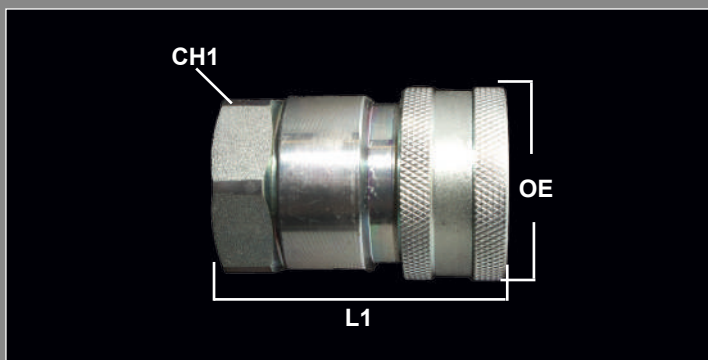
ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



TNV SERIES QUICK COUPLINGS

General Purpose
Sizes: 1/4" thru 2"



Features and Applications

- Manual connect and disconnect
- Primary uses are Machine Tools, Test Equipment and Oilfield Service Equipment

MATERIALS

Body: Carbon Steel
Finishing: ZN-Fe (CRIII)
Seals: NBR standard seals
Threads: NPT

MAJOR INTERCHANGES

Faster TNV Dixon V
SnapTite H

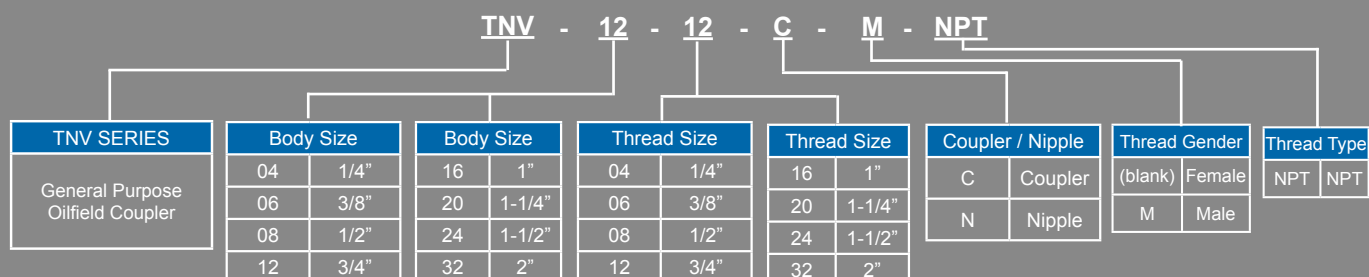
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04 (female thread)	.88	.88	.99	1.68	1.62	4.5	3,916
04 (male thread)	.88	.88	.99	2.12	2.06	4.5	3,916
06	1.00	1.00	1.18	1.94	1.87	6.5	4,357
08	1.19	1.19	1.36	2.13	1.99	17	3,150
12	1.50	1.50	1.67	2.47	2.31	35	2,700
16	1.88	1.88	2.06	2.70	2.60	43	2,000
20	2.0	2.0	2.19	3.54	3.41	70	1,450
24	2.5	2.5	2.74	3.27	3.10	107	1,500
32	3.5	3.5	3.83	3.92	3.72	195	1,500

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



HNV-BOP



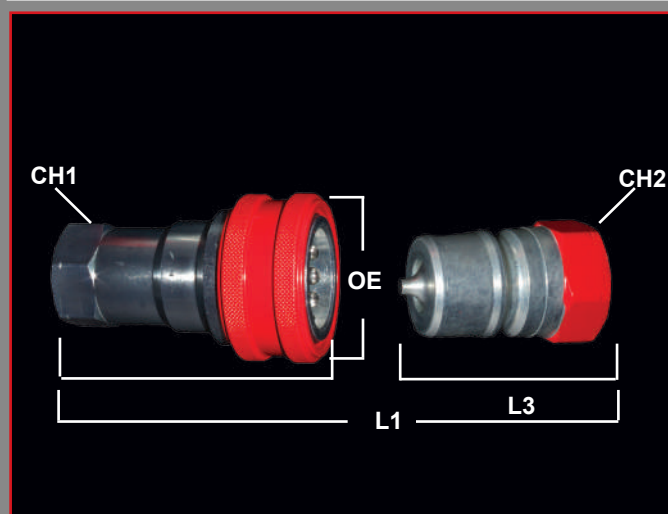
Features and Benefits

- Exceeds 7241-1 ISO “B” norm
- Oversize sleeve
- Poppet design
- Locking sleeve
- Radial ball locking connection
- True quick coupling without threading
- Redundant double O-Ring design
- Standard Threads: NPT

Applications and Markets

- Designed specially for B.O.P. (Blow out Preventers) accumulator systems in the Oil & Gas market
- Red color on coupling and nipple designates that the couplings are B.O.P. fire approved
- API 16D Certificate that states that all couplings must maintain pressure when exposed to 1300° F (700° C) for a 5 minute period.

* Lloyds Certificate upon request



Body Size	CH1	CH2	OE	L1	L2	L3	Working Pressure (PSI)	Max Flow (GPM)	Lloyd Test Pressure (PSI)
1/2"	1.06"	1.06"	1.85"	3.81"	3.00"	2.05"	3,600	20	3,000
3/4"	1.34"	1.34"	2.20"	4.51"	3.60"	2.50"	3,600	40	3,000
1"	1.60"	1.62"	2.60"	5.20"	4.18"	2.85"	3,600	55	3,000

* For Blow out Preventor - add BOP to part number

Ex:HNV-BOP-16-16-C-NPT (Coupler)
Ex:HNV-BOP-16-16-N-NPT (Nipple)

VFF-HD-BOP SERIES HEAVY DUTY SCREW TYPE



VFF-HD-BOP



Applications and Markets

- Designed specially for B.O.P. (Blow out Preventers) accumulator systems in the Oil & Gas market
- Red color on coupling and nipple designates that the couplings are B.O.P. fire approved
- API 16D Certificate that states that all couplings must maintain pressure when exposed to 1300° F (700° C) for a 5 minute period.

* Lloyds Certificate upon request

Features and Benefits

- Wing type screw to connect
- High working pressure
- High flow rate
- Heavy duty design
- Heavy duty acme threads
- Standard Threads: NPT
- Double O-Ring Design

Body Size	Working Pressure (PSI)	Max Flow (GPM)	Lloyd Test Pressure (PSI)
1"	5,000	75	5,000
1-1/2"	5,000	200	5,000

* For Blow out Preventor - add BOP to part number

Ex:VFF-HD-S-BOP-16-16-C-NPT (Coupler)
Ex:VFF-HD-S-BOP-16-16-N-NPT (Nipple)



PVT4-BOP SERIES CONNECTABLE UNDER PRESSURE



PVT4-BOP SERIES



Applications and Markets

- Designed specially for B.O.P. (Blow out Preventers) accumulator systems in the Oil & Gas market
- Red color on coupling and nipple designates that the couplings are B.O.P. fire approved
- API 16D Certificate that states that all couplings must maintain pressure when exposed to 1300° F (700° C) for a 5 minute period.

Notes

Aluminum caps and plugs play a crucial role in extending the life of the coupling set. Caps and plugs are available in red sold separately.

Features and Benefits

- A non-interchangeable upgrade to the FSI series
- High Tech Z - 786 Anti-Corrosion plating salt spray tested for 700 hours before any appearance of surface red rust
- Slimmer design than FSI with no loss in flow rate
- High pressure, low pressure drop and high impulse applications
- Seal is blowout resistant to 5,000 PSI when connecting and disconnecting with residual pressure
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy Duty Hex Nut
- Standard Threads: NPT

* Lloyds Certificate upon request

Body Size	Working Pressure (PSI)	Max Flow (GPM)	Lloyd Test Pressure (PSI)
1"	5,076	53	4,000

* For Blow out Preventor - add BOP to part number

Ex: PVT4-BOP-08-08-C-NPT (Coupler)
Ex: PVT4-BOP-08-08-N-NPT (Nipple)

FLAT FACE SCREW TYPE COUPLINGS CONNECTABLE UNDER PRESSURE



FSI - BOP



Applications and Markets

- Designed specially for B.O.P. (Blow out Preventers) accumulator systems in the Oil & Gas market
- Red color on coupling and nipple designates that the couplings are B.O.P. fire approved
- API 16D Certificate that states that all couplings must maintain pressure when exposed to 1300° F (700° C) for a 5 minute period.

* Lloyds Certificate upon request

Features and Benefits

- High tech Z-786 anti-corrosion plating salt spray tested for 700 hours before appearance of surface red rust
- High working pressure
- Connects and disconnects by hand up to 4,400 PSI
- Seal blowout resistant when connecting or disconnecting with residual pressure
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Heavy Duty Hex Nut
- Standard Threads: NPT
- 12 color options



Body Size	Working Pressure (PSI)	Max Flow (GPM)	Lloyd Test Pressure (PSI)
1"	6,200	53	4,000
1-1/4"	6,200	75	4,000
1-1/2"	5,700	185	4,000

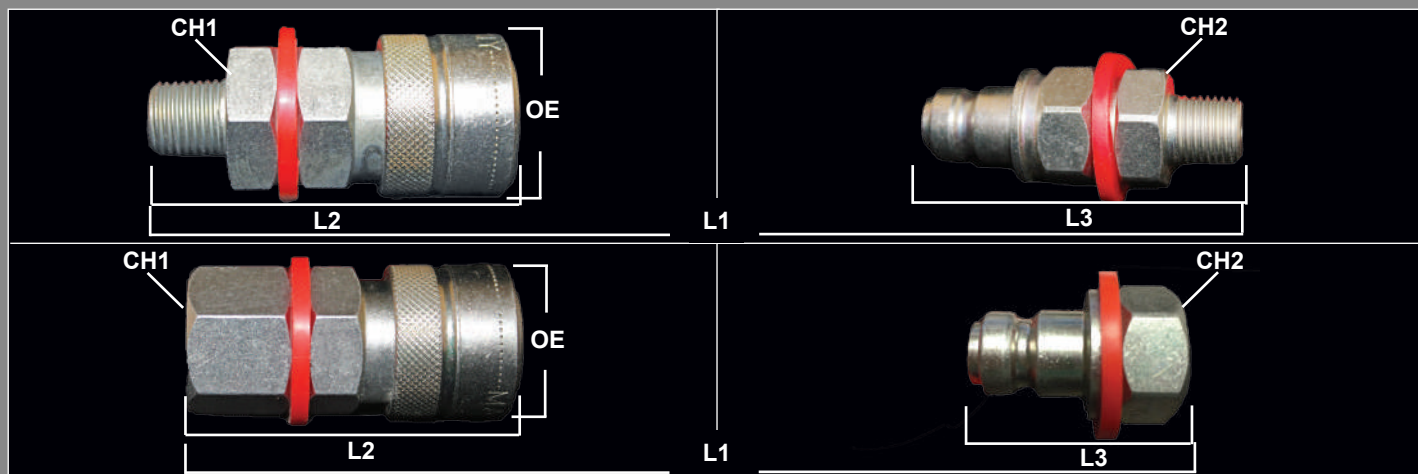
* For Blow out Preventor - add BOP to part number

Ex: FSI-BOP-16-16-C-NPT (Coupler)
Ex: FSI-BOP-16-16-N-NPT (Nipple)



115 UHP SERIES QUICK COUPLINGS

Ultra High Pressure



Features and Applications

- 15,000 PSI
- Flush Face (Non-Drip)
- Standard Cap and Plugs
- NPT Threads
- Tested with Helium @ low and high pressure
- Torque Equipment
- High Pressure Tools

MATERIALS

Body: High resistance steel
Finishing: Zn-Fe (Cr111)
Seals: NBR
Threads: NPT

DIMENSIONAL & PRESSURE RATING DATA

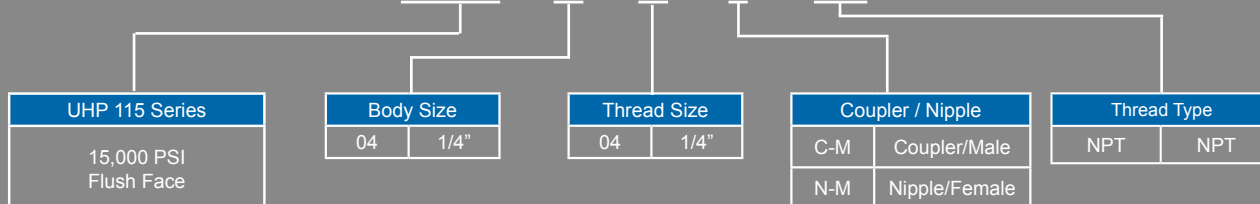
Body Size	CH1	CH2	OE	L1	L2	L3	Flow Rate (GPM)	Max Working (PSI)	End Type
1/4"	.944	.865	1.10	2.31	1.41	2.98	1.60	15,000 PSI	Female
1/4"	.944	.865	1.10	2.46	2.49	4.24	1.60	15,000PSI	Male

units: inches

ORDERING INFORMATION

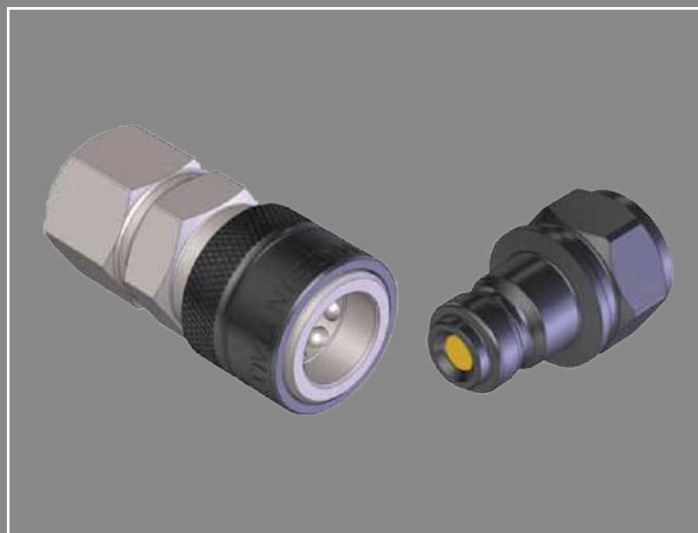
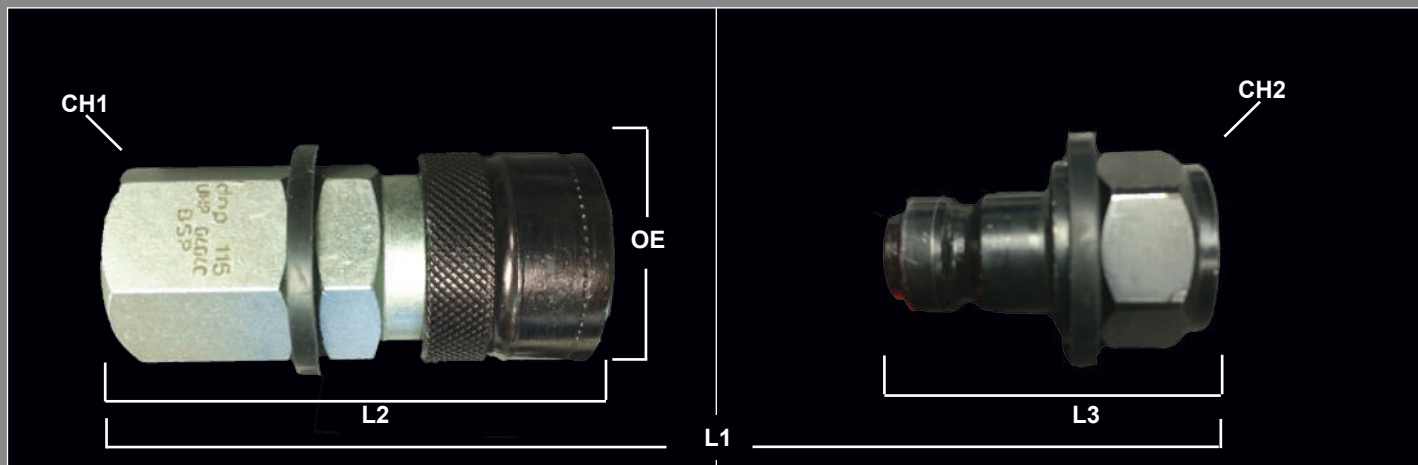
QUICK COUPLING PART NUMBERING SYSTEM:

UHP115 - 04 - 04 - C - NPT



116 UHP SERIES QUICK COUPLINGS

Ultra High Pressure



Features and Applications

- 20,000 PSI
- Flush Face (Non-Drip)
- Standard Caps and Plugs
- BSPP Threads
- Tested with Helium @ low and high pressure
- Torque Equipment
- High Pressure Tools

MATERIALS

Body: High resistance steel
Finishing: Zn-Fe (Cr111)
Seals: NBR
Threads: Female BSPP

DIMENSIONAL & PRESSURE RATING DATA

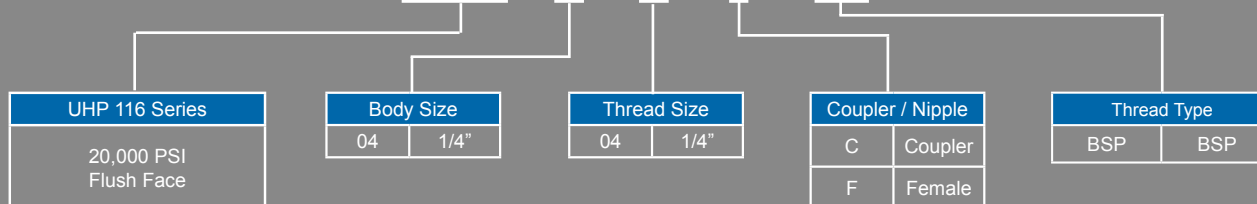
Body Size	CH1	CH2	OE	L1	L2	L3	Flow Rate (GPM)	Max Working (PSI)	End Type
1/4"	.944	.865	1.10	2.42	1.51	3.19	1.60	20,000	Female

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

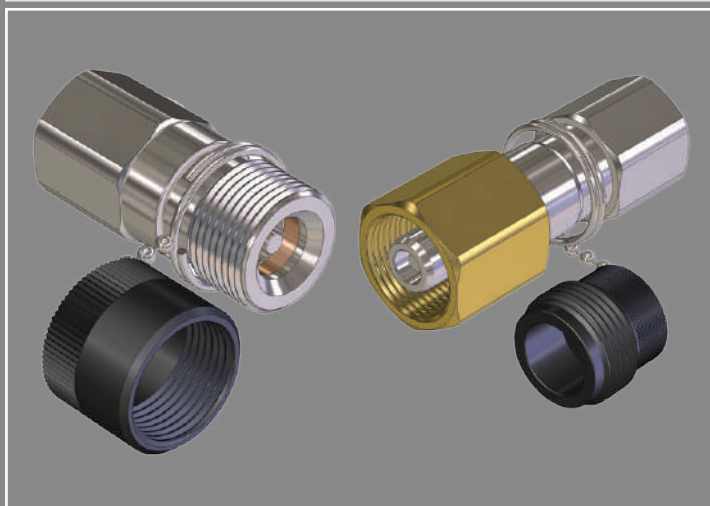
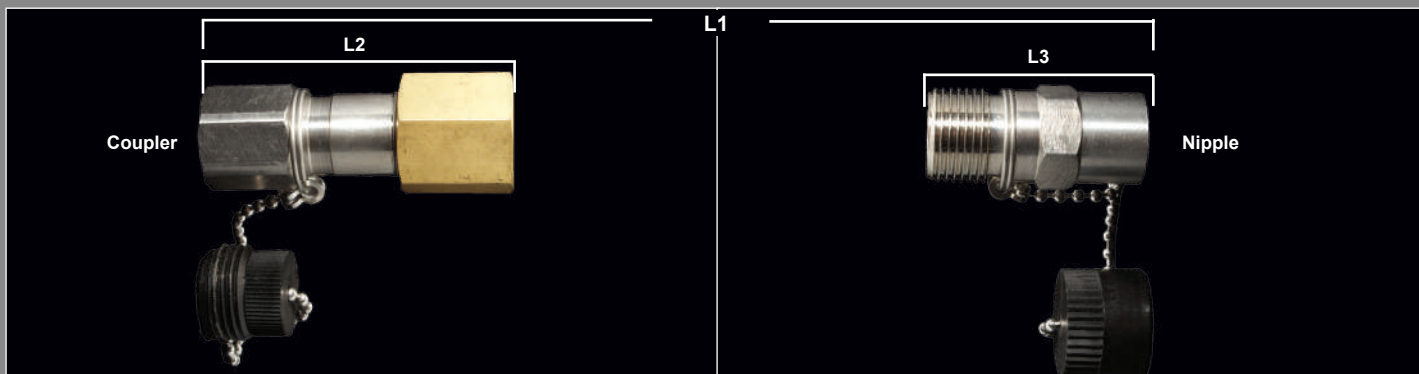
UHP 116 - 04 - 04 - C - BSP



HPI SERIES QUICK COUPLINGS

High Pressure - Screw Type

Size: 1/4"



Features and Applications

- Screw to connect
- 10,000 PSI
- Instrumentation
- Torque Gauges
- Dual Scale Gauges
- Hydraulics

MATERIALS

Body: 316 Stainless Steel body with brass hex sleeve

Accessories: Plastic cap and dust plug included

MAJOR INTERCHANGES

Parker 1141

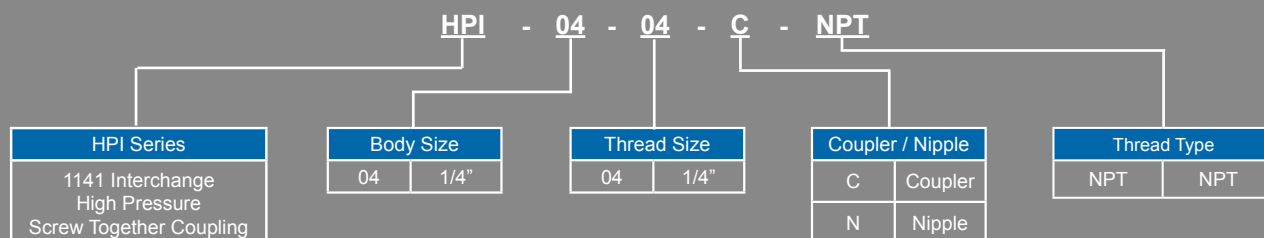
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.98	.87	4.68	2.70	1.98	3	10,000

units: inches

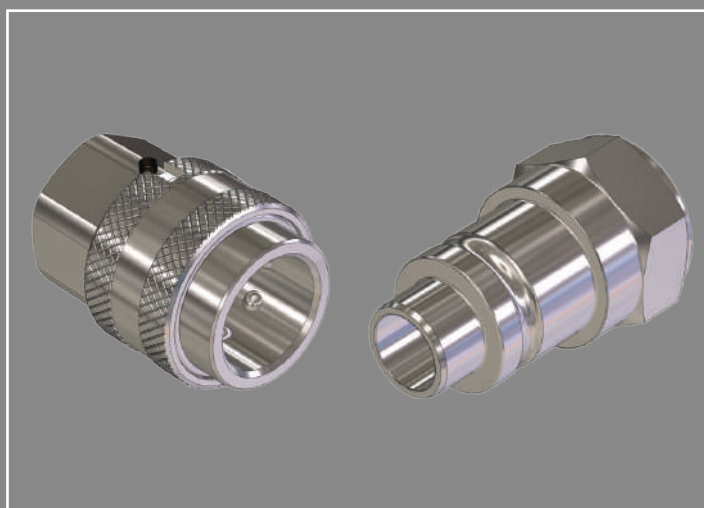
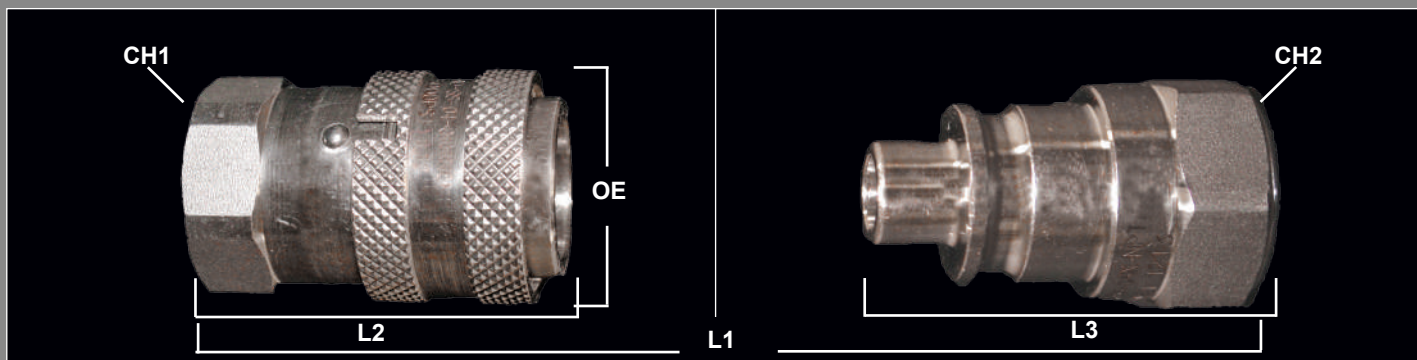
ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



HO SERIES QUICK COUPLINGS

High Pressure



Features and Applications

- Un-Valved Design
- Sleeve-lock to prevent accidental disconnection
- -40° to +250°F
- Un-Valved - full flow
- Hydrostatic Testing
- Test Tools

MATERIALS

Body: 316 Stainless Steel
Finishing: 316 Stainless Steel
Seals: Buna with Teflon Ring
Threads: NPT

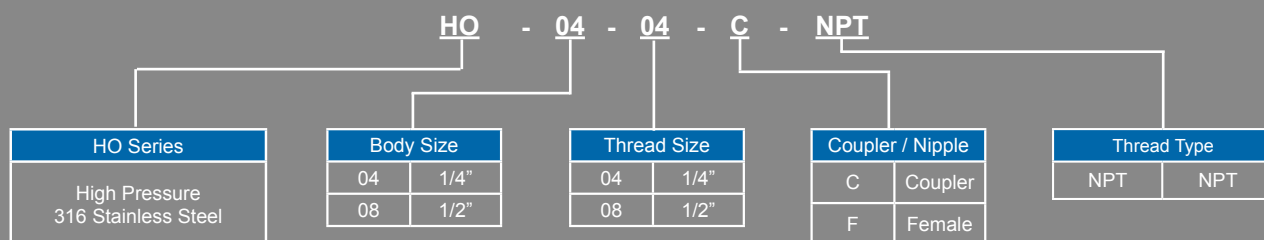
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.937	.802	1.07	1.67	1.41	2.32	unvalved	15,000
08	1.25	1.12	1.55	2.03	2.03	2.87	unvalved	10,000

units: inches

ORDERING INFORMATION

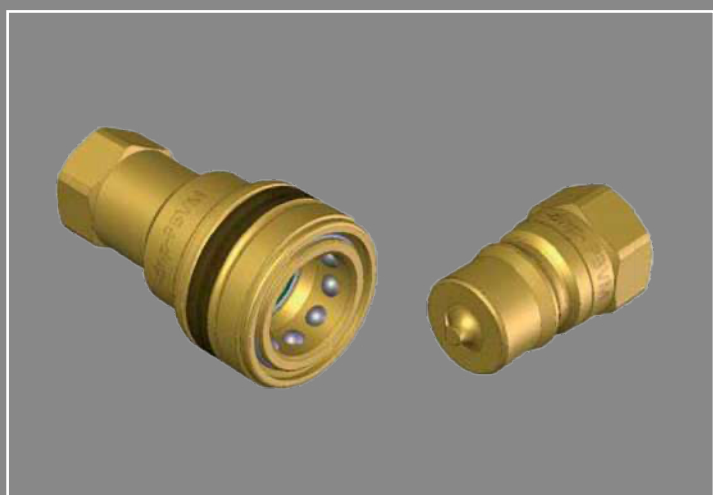
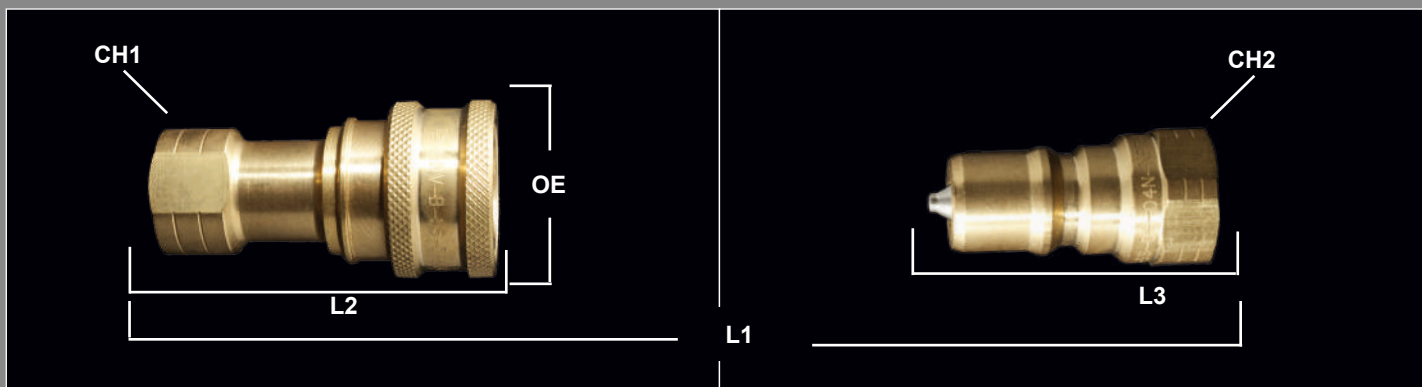
QUICK COUPLING PART NUMBERING SYSTEM:



HNV-B-SS SERIES QUICK COUPLINGS

ISO 7241 - B

Sizes: 1/4"



Features and Applications

- Brass body with stainless steel internals
- Double O'Ring design
- Designed for carpet cleaners and car wash systems
- EPDM seals withstand soaps, chemicals and high temperatures
- * Not for use with petroleum based fluids!

MATERIALS

Body: Brass with SS internals
Seals: EPDM seals
Threads: NPT

DIMENSIONAL & PRESSURE RATING DATA

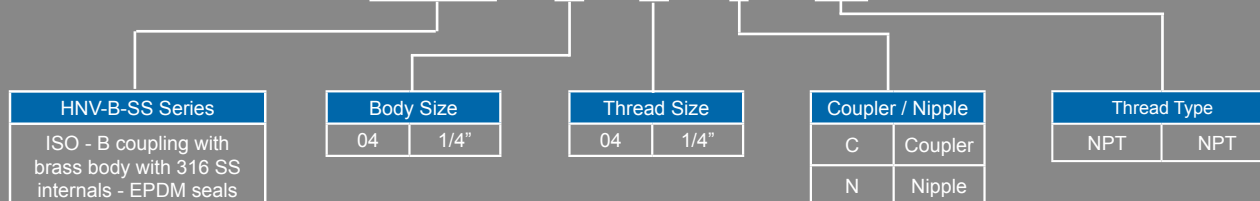
Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate (GPM) (Connected)	Max Working (PSI)
04	.742	.754	1.181	2.81	2.226	1.536	3	2,700

units: inches

ORDERING INFORMATION

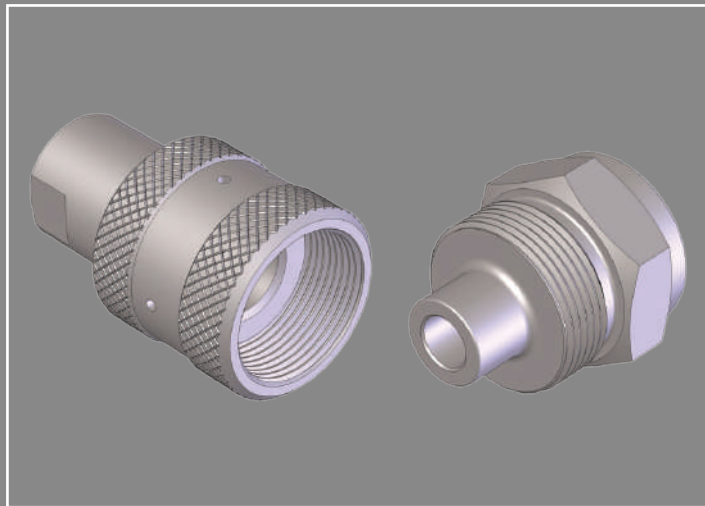
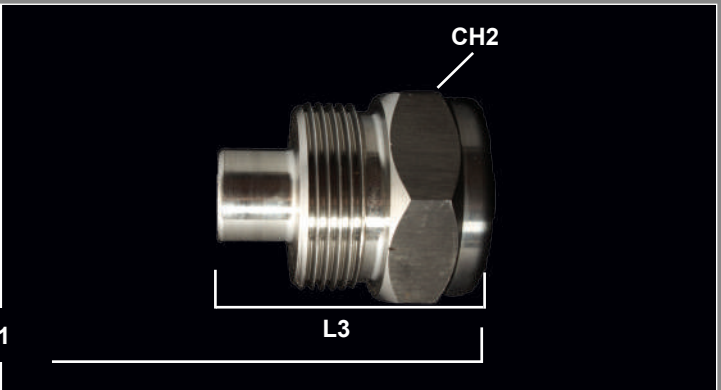
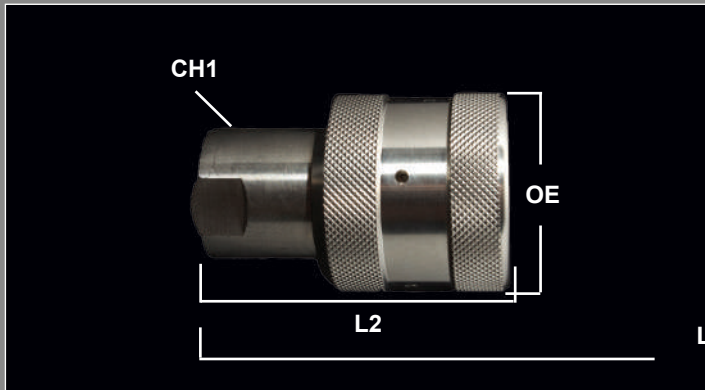
QUICK COUPLING PART NUMBERING SYSTEM:

HNV-B-SS - 04 - 04 - C - NPT



CRS SERIES QUICK COUPLINGS

Ultra High Pressure - Unvalved - 316 Stainless Steel
 Sizes: 1/2"



Features and Applications

- Offered in 15,000 PSI or 20,000 PSI
- Screw Type
- Waterblast
- Water Jetting
- Wireline - Grease Injection
- High Pressure
- 15,000 PSI and 20,000 PSI is non-interchangeable with each other

MATERIALS

Body: 316 Stainless Steel
 Seals: NBR standard seals
 Threads: NPT

DIMENSIONAL & PRESSURE RATING DATA

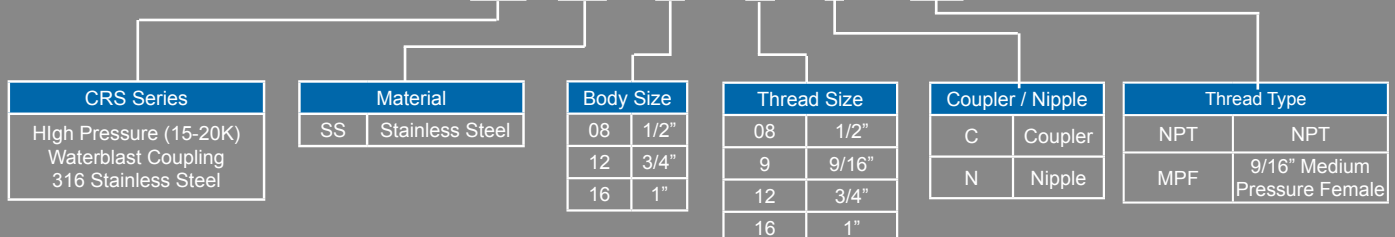
Body Size	CH1	CH2	CH3	L1	L2	L3	Optimal Flow Rate PSI (GPM)	Max Working (PSI)
08	1.130	1.625	1.860	3.773	2.910	2.040	Unvalved	15,000
08	1.130	1.625	1.860	3.773	2.910	2.040	Unvalved	20,000
12	1.510	2.000	2.240	4.370	3.430	2.480	Unvalved	
16	1.630	2.240	2.750	4.370	3.560	2.50	Unvalved	

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

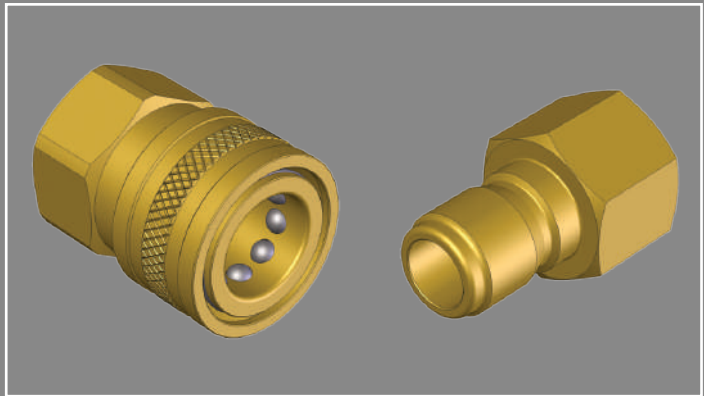
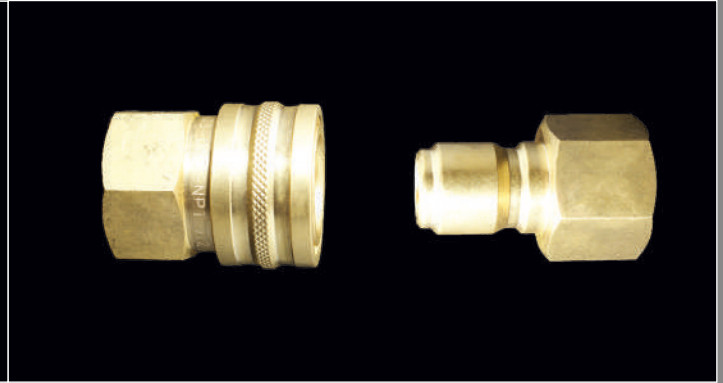
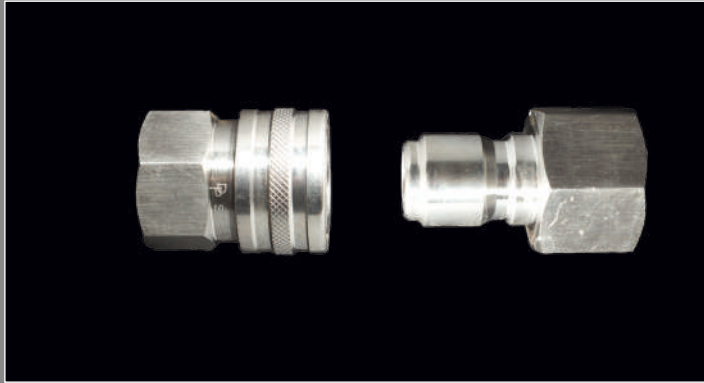
CRS - 15K - 08 - 08 - C - NPT



ST SERIES QUICK COUPLINGS

Straight Thru - Unvalved

Sizes: 1/4" thru 2"



Features and Applications

- Brass and Stainless offered
- Radial locking balls
- Commonly used in pressure washer applications

MATERIALS

Body: Brass and 316 SS
Seals: NBR standard seals
Threads: NPT

DIMENSIONAL & PRESSURE RATING DATA

Body Size	Steel Working PSI	Brass Working PSI	304 SS Working PSI
04	5,500	5,200	6,700
06	3,500	3,500	5,500
08	2,700	2,200	3,000
12	2,700	1,700	3,000
16	2,000	1,200	2,000
20	2,000	1,700	2,000
24	2,000	1,800	2,000
32	2,000	1,800	2,000

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

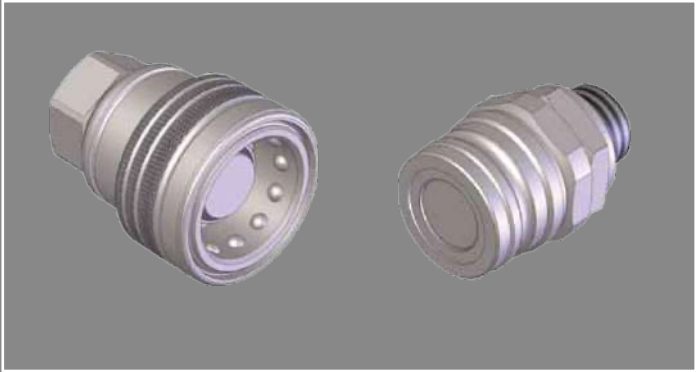
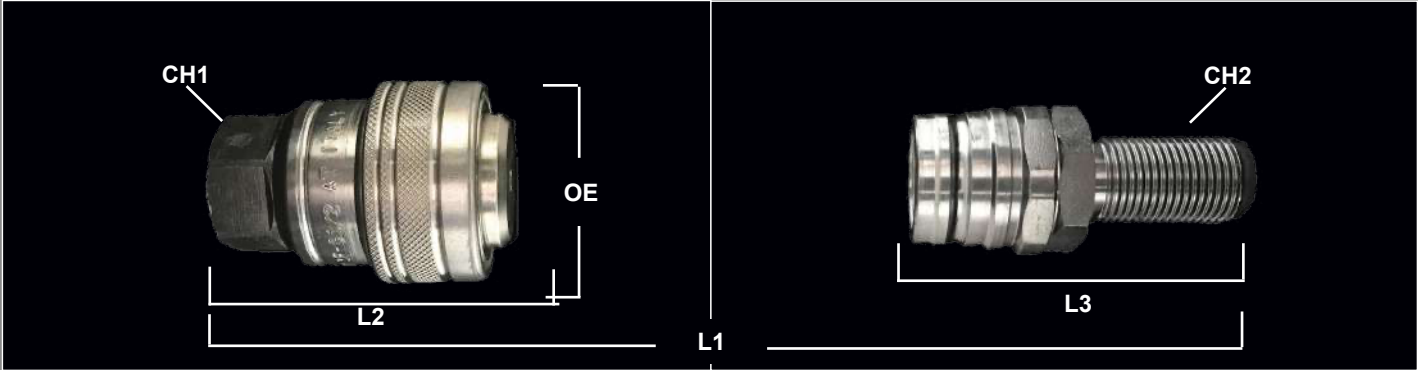
ST - B - 06 - 06 - C - M

ST SERIES	Material		Body Size		Body Size		Thread Size		Thread Size		Coupler / Nipple		Thread Type	
Straight Through Pressure Washer Coupling	(blank)	Carbon Steel	04	1/4"	16	1"	04	1/4"	16	1"	C	Coupler	M	Male NPT
	B	Brass	06	3/8"	20	1-1/4"	06	3/8"	20	1-1/4"	N	Nipple	F	Female NPT
	SS316	316 Stainless Steel	08	1/2"	24	1-1/2"	08	1/2"	24	1-1/2"				
			12	3/4"	32	2"	12	3/4"	32	2"				



PFT SERIES QUICK COUPLINGS

Brake Valve ISO 5676



Features and Applications

- Flat Face
- Connection under pressure not allowed
- Commonly used in Canadian and French market for farming equipment
- Hydraulic brakes

MATERIALS

Body: Steel
Finishing: Zn-Fe (CR III)
Seals: NBR
Threads: BSP,SAE,

MAJOR INTERCHANGES

Faster VF

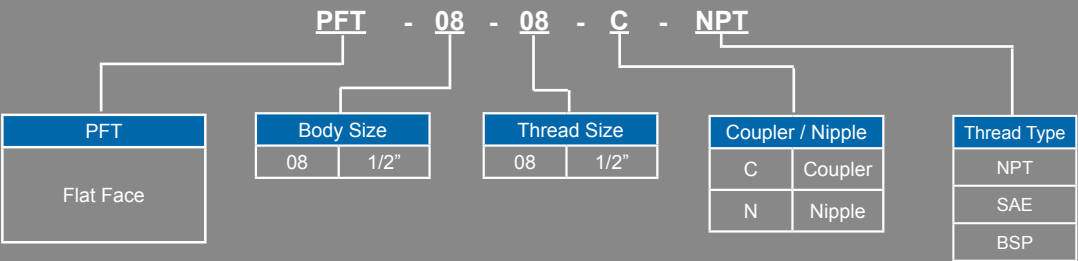
DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Optimal Flow Rate PSI (GPM)	Max Flow Rate (GPM)	Max Working (PSI)
08	1.06	1.26	1.733	4.744	2.185	2.559	6.34	12.68	2175

units: inches

ORDERING INFORMATION

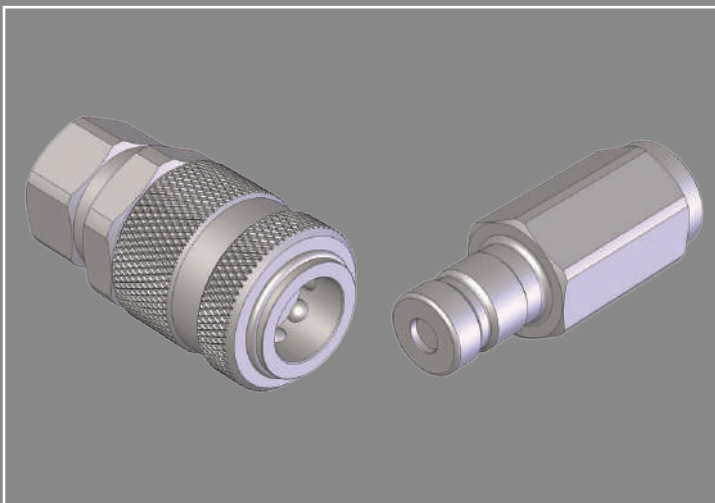
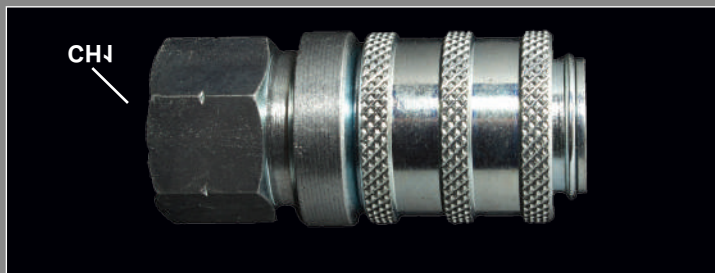
QUICK COUPLING PART NUMBERING SYSTEM:



D - SERIES QUICK COUPLINGS

Flush Face - Diagnostic Test Port

Sizes: 1/4"



Features and Applications

- Flat Face
- 6,000 PSI working pressure
- Diagnostic Testing
- Dynamic Testing
- Mobile Equipment
- Hydraulic Power Units

MATERIALS

Body: Carbon Steel
Finishing: Trivalent Chrome Plating
Seals: NBR standard seals
Threads: NPT & SAE

MAJOR INTERCHANGES

Parker PD Aeroquip FD60
Faster DF Tomco DK
Dixon PD

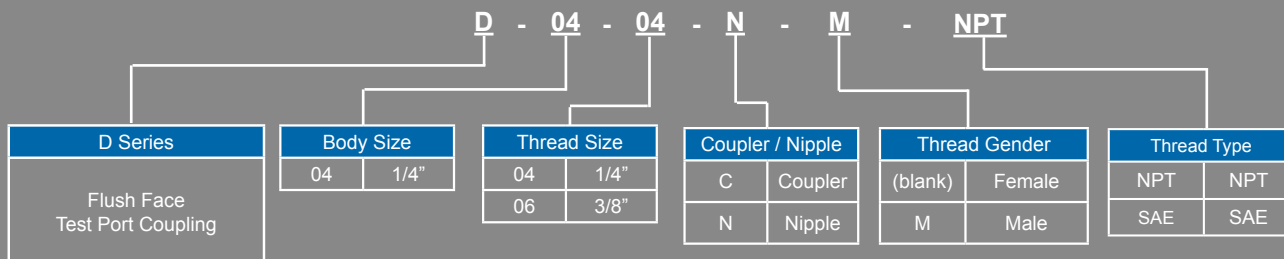
DIMENSIONAL & PRESSURE RATING DATA

Body Size	HEX	CH1	CH2	OE	L2	L3	Optimal Flow Rate (GPM)	Max Working (PSI)
04	.81	.74	.74	.94	.94	1.90	1	6,000

units: inches

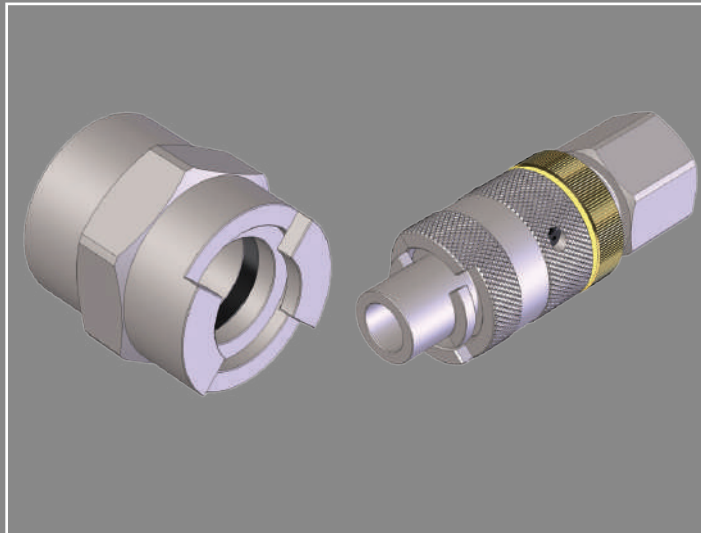
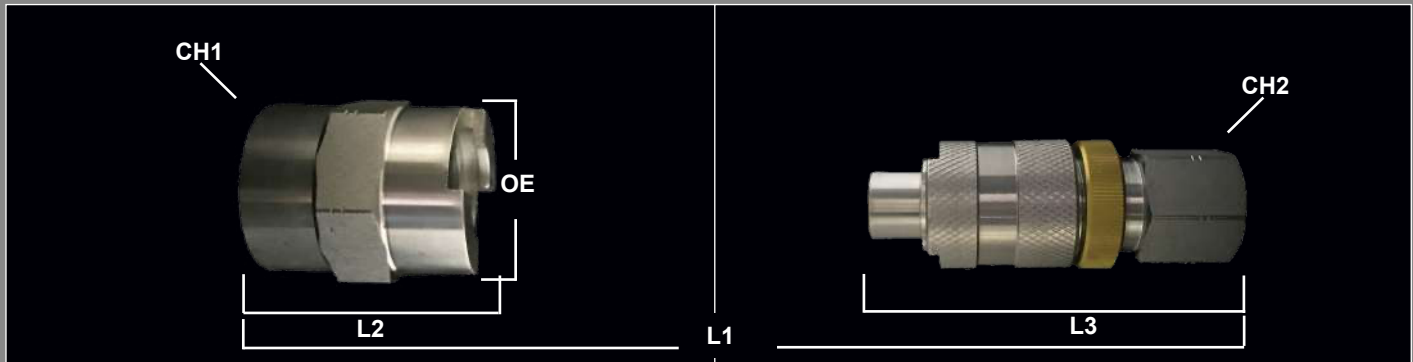
ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:



TL SERIES QUICK COUPLINGS

Twist Lock Coupling



Features and Applications

- Pneumatic, Water, Oil
- Twist to connect
- Locking ring to prevent accidental disconnection
- 1/2" body sizes
- 500 PSI

MATERIALS

Body: Steel
Finishing: Zn-Fe CR(III)
Seals: Buna Seals
Threads: Male/Female NPT/ Hose Barb

MAJOR INTERCHANGES

Dixon N Series Bowes 5100
Dixlock B Series

DIMENSIONAL & PRESSURE RATING DATA

Body Size	CH1	CH2	OE	L1	L2	L3	Max Working (PSI)
08	1.36	1.13	1.36	4.67	1.63	3.80	500 PSI

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

TL - 08 - 08 - N - M - NPT

TL Series	Body Size	Thread Size	Coupler / Nipple	Thread Gender	Thread Type
Twist Lock Coupling Series (ADD HB when needing Hose Barb)	08 1/2"	08 1/2" 12 3/4"	C Coupler N Nipple	(blank) Female M Male	NPT NPT HB Hose Barb



TC SERIES QUICK COUPLINGS

Ultra High Pressure

Sizes: 3/8"



Features and Applications

- 10,000 PSI
- Safety sleeve lock
- Radial locking balls
- Slim profile
- High resistant steel
- True push pull to connect
- Torque equipment, rescue tools

MATERIALS

Body: Carbon Steel

Finishing: Zn-Fe CR(III) Plating

Seals: NBR Standard Seals

Threads: NPT

MAJOR INTERCHANGES

Parker TC

Eaton FD35

DIMENSIONAL & PRESSURE RATING DATA

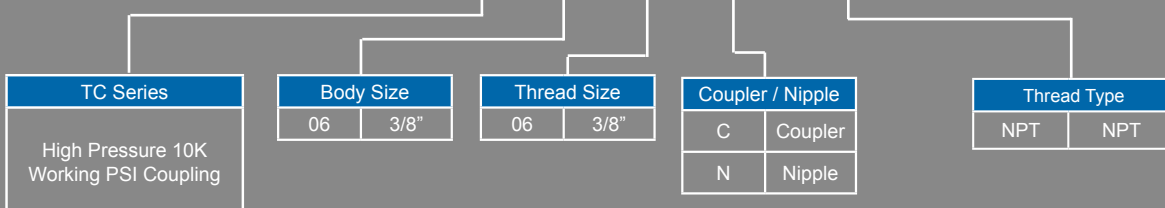
Body Size	CH1	CH2	L1	L2	L3	Flow Rate @ 14.7 PSI (GPM) (Connected)	Max Working (PSI)
06	.94	.94	1.81	1.26	3.12	5	10,000

units: inches

ORDERING INFORMATION

QUICK COUPLING PART NUMBERING SYSTEM:

TC - 06 - 06 - C - NPT





Features and Benefits

- Easy to use and implement and easy to see at a distance
- Implements the poka-yoke by establishing a mistake-proofing system
- A non-interchangeable upgrade to the FSI Series
- High Tech Z-786 Anti-Corrosion plating salt spray tested for 700 hrs before any appearance of surface red rust
- Slimmer design than FSI with no loss in flow rate
- Seal is blowout resistant to 5,000 PSI when connecting or disconnecting with residual pressure
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Standard Threads: NPT, SAE, BSPP, DIN, Code 62

Applications

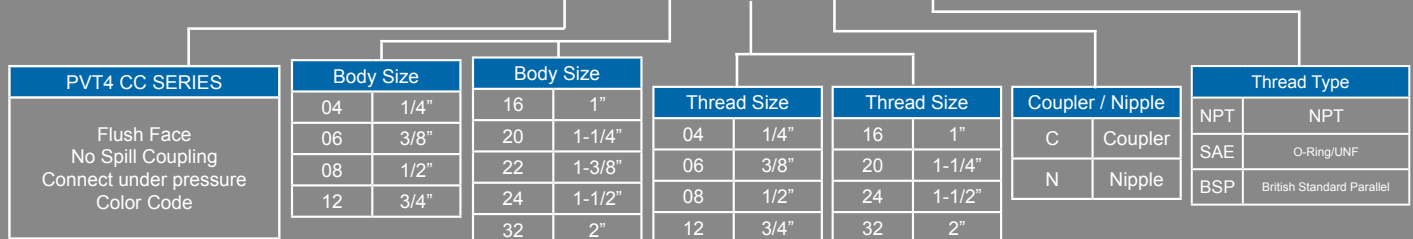
- Used in a wide range of industrial markets where connecting and disconnecting of hydraulic circuits is needed
- High pressure, low pressure drop and high impulse applications
- Oilfield: drilling rigs, oilfield service and drilling equipment, cranes, heavy equipment, hammer attachments and much more

Notes: Aluminum caps and plugs play a crucial role in extending the life of the coupling set.

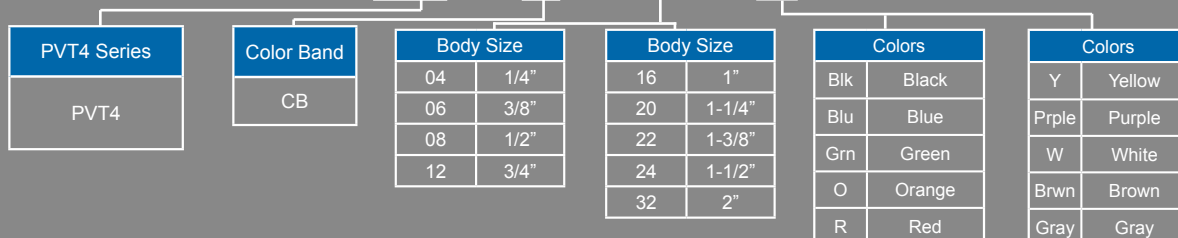
Key Note: Color Bands offered in 10 different colors

QUICK COUPLING PART NUMBERING SYSTEM:

PVT4-CC - 08 - 08 - C - NPT



PVT4 - CB - 04 - Blk





Features and Benefits

- Easy to use and implement and easy to see at a distance
- Implements the poka-yoke by establishing a mistake-proofing system
- High Tech Z-786 Anti-Corrosion plating salt spray tested for 700 hrs before any appearance of surface red rust
- Connects and disconnects by hand up to 4,400 PSI
- Seal blowout resistant to 4,400 PSI when connecting or disconnecting with residual pressure
- Exceeds 1,000,000 impulse cycles
- Flat face design eliminates spillage upon disconnection
- Thread to connect style coupling eliminates brinelling issues
- Standard Threads: NPT, SAE, BSPP, DIN, Code 62

Applications

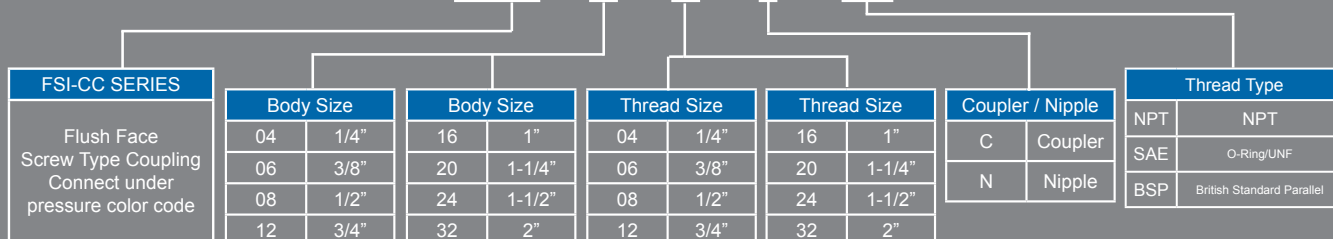
- FSI series couplings are used in a wide range of industrial markets when connecting and disconnecting is needed
- High pressure, low pressure drop and high impulse applications
- Drilling rigs, oilfield services, drilling equipment, cranes, heavy equipment, hammer attachments and much more

Notes: Aluminum caps and plugs play a crucial role in extending the life of the coupling set.

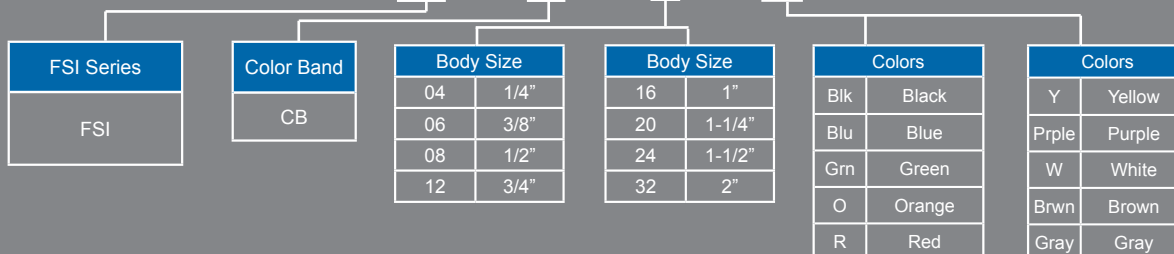
Key Note: Color Bands offered in 10 different colors

QUICK COUPLING PART NUMBERING SYSTEM:

FSI-CC - 08 - 08 - C - NPT



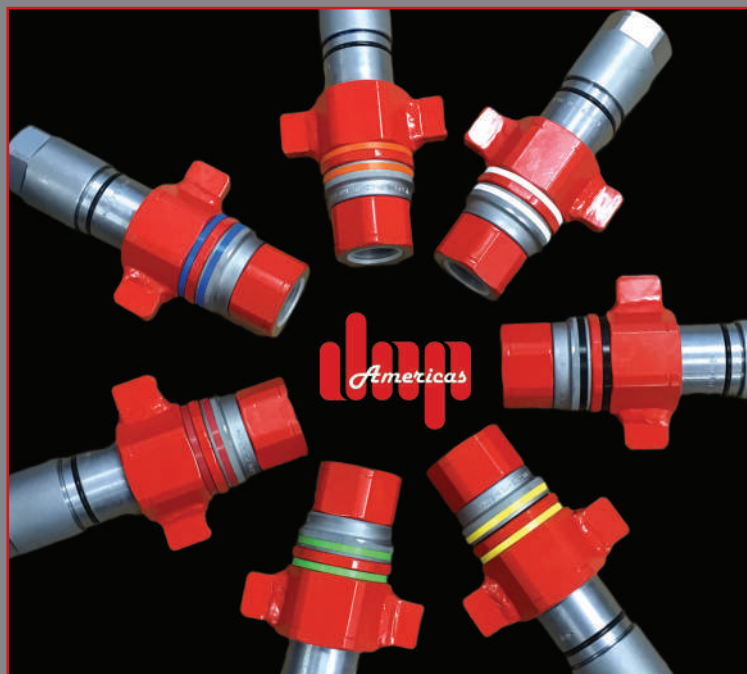
FSI - CB - 04 - Blk



BOP Color Safe Quick Disconnects

• FSI-BOP Series

- * Red color on coupling and nipple designates that the couplings are B.O.P. fire approved.
- * All BOP Coupling series are API 16D Certified
- * API 16D Certificate that states that all couplings must maintain pressure when exposed to 1300° F (700° C) for a 5 minute period.
- * Winged design makes connecting and disconnecting a simple task



QUICK COUPLING PART NUMBERING SYSTEM:

FSI - BOP - CC - 16 - 16 - C - NPT

FSI Series	BOP	Color Code	Body Size		Thread Size		Coupler / Nipple		Thread Type	
FSI	BOP	CC	16	1"	16	1"	C	Coupler	NPT	NPT
			24	1-1/2"	24	1-1/2"	N	Nipple	SAE	O-Ring/UNF

FSI - CB - 04 - Blk

FSI Series	Color Band	Band Size		Colors		Colors	
FSI	CB	16	1"	Blk	Black	Y	Yellow
		24	1-1/2"	Blu	Blue	Prple	Purple
				Grn	Green	W	White
				O	Orange	Brwn	Brown
				R	Red	Gray	Gray

Features and Benefits

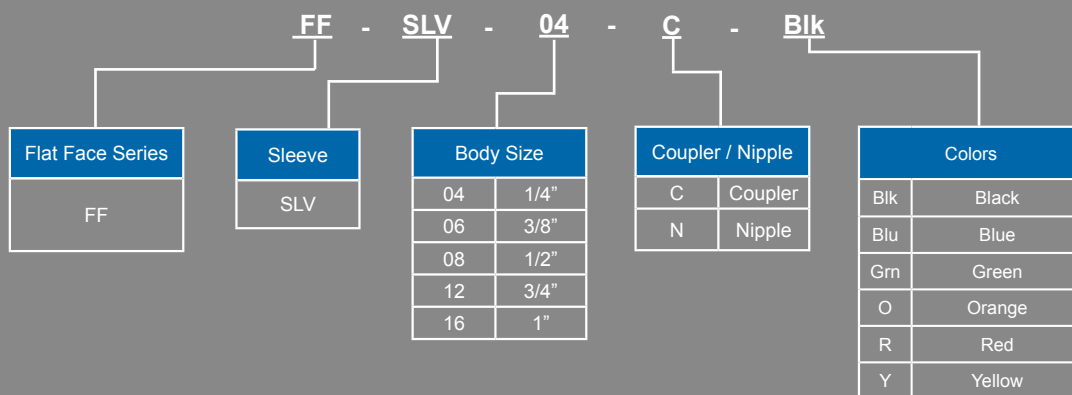
- Color Code Sleeves are available for the FF-HPG series and FF-HP-SS series
- High working pressures
- Corrosion resistant grey nickel plating
- Salt spray tested for 400 hours
- Auto-rotate sleeve lock to prevent accidental disconnection
- Flat face design eliminates spillage upon disconnection
- Heat treated components prevent brinelling
- Standard Threads: NPT, SAE, BSPP, JIC, JIC Bulkhead, DIN, DIN Bulkhead, ORFS, ORFS Bulkhead
- Color Code sleeves make mixing up hydraulic lines nearly impossible
- Color flip caps are also available for the flat face series



Applications

- All types of markets where flat face, non- spill couplings are a must
- Skid steers, skid steer attachments, mobile construction mini excavators, AG equipment, forestry, and much more

PART NUMBERING SYSTEM:

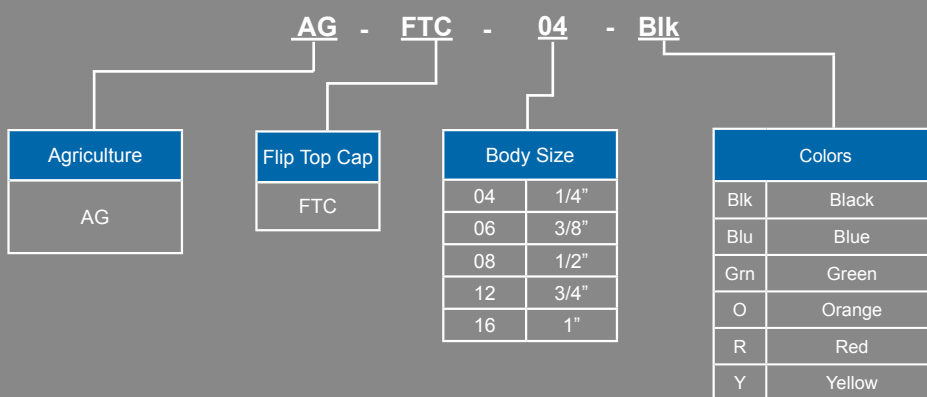




Flip Top Caps

- Flip top caps for use on several push pull series of couplings.
- Makes mixing up connections nearly impossible
- Comes in 6 different colors

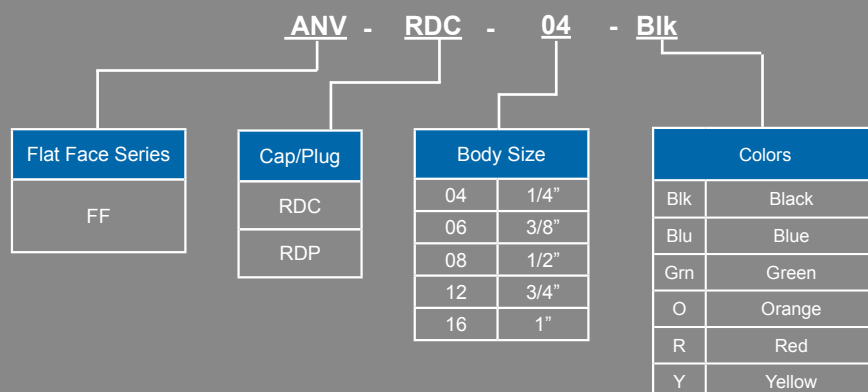
PART NUMBERING SYSTEM:



Rubber Dust Caps/Plugs

- Rubber dust caps and plugs for use on ANV series couplings
- Makes mixing up connections nearly impossible
- Comes in 6 different colors

PART NUMBERING SYSTEM:

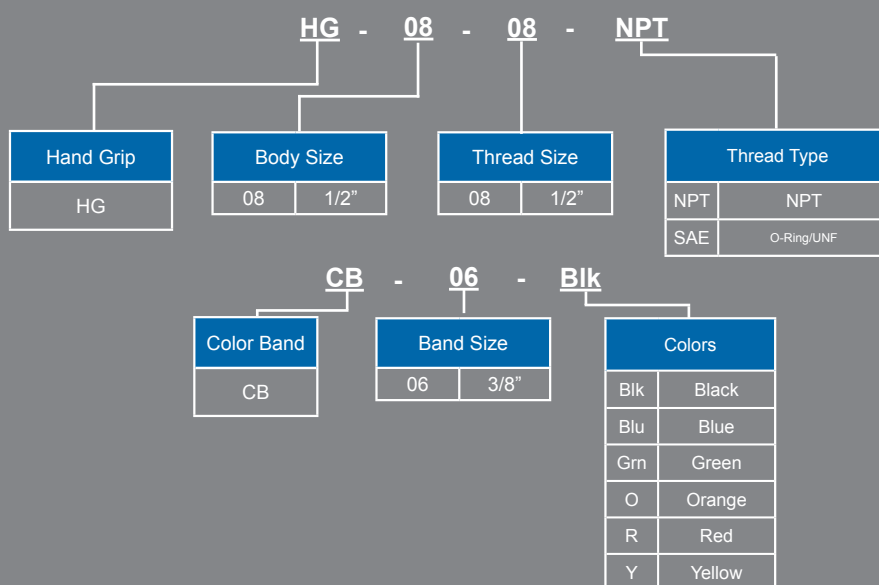




Hand Grips

- Hand grips are for use on several series of couplings
- Makes it easier to connect and disconnect hydraulic lines
- Extends the life of your hydraulic line and fitting
- Makes mixing up connections nearly impossible
- Comes in 6 different colors

PART NUMBERING SYSTEM:



Assembly Color Safe Options



Color Safe Hose Assemblies

- Creating the color safe hose assembly is key to an environment where connecting and disconnecting hydraulic lines is necessary
- Implementing the color safe system makes mixing up connections nearly impossible
- Assembly includes the hose, bend restrictor, hand grip, nipple body, and rubber dust cap
- Nipple and hand grip available in NPT and SAE threads.
- Comes in 6 different colors

Quick Coupling Accessories

Caps and Plugs

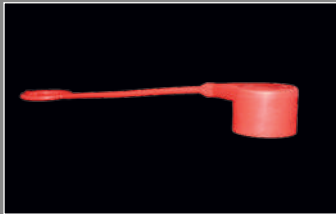


Coupling Accessories

Flat Face and Flat Face Screw Type Caps and Plugs



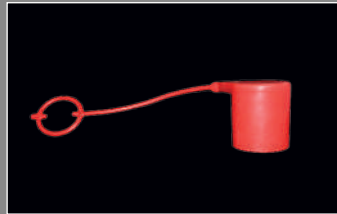
FF-RDC



Rubber Cap for Flat Face Male Nipple

CAP
FF-RDC-04
FF-RDC-06
FF-RDC-08
FF-RDC-12
FF-RDC-16

FF-RDP



Rubber Plug for Flat Face Female Coupler

PLUG
FF-RDP-04
FF-RDP-06
FF-RDP-08
FF-RDP-12
FF-RDP-16

PVT4-PDC



Plastic Cap for Flat Face Screw Type Female Coupler

CAP
PVT4-PDC-04
PVT4-PDC-06
PVT4-PDC-08
PVT4-PDC-12
PVT4-PDC-16
PVT4-PDC-20
PVT4-PDC-24
PVT4-PDC-32

PVT4-PDP



Plastic Plug for Flat Face Screw Type Male Nipple

PLUG
PVT4-PDP-04
PVT4-PDP-06
PVT4-PDP-08
PVT4-PDP-12
PVT4-PDP-16
PVT4-PDP-20
PVT4-PDP-24
PVT4-PDP-32

(Used for PVT4 Stainless Steel Only)

PVT4-ADC



Aluminum Cap for Flat Face Screw Type Female Coupler

CAP
PVT4-ADC-04
PVT4-ADC-06
PVT4-ADC-08
PVT4-ADC-12
PVT4-ADC-16
PVT4-ADC-20
PVT4-ADC-24
PVT4-ADC-32

PVT4-ADP



Aluminum Plug for Flat Face Screw Type Male Nipple

PLUG
PVT4-ADP-04
PVT4-ADP-06
PVT4-ADP-08
PVT4-ADP-12
PVT4-ADP-16
PVT4-ADP-20
PVT4-ADP-24
PVT4-ADP-32

FSI-ADC



Aluminum Cap for Flat Face Screw Type Male Nipple

CAP
FSI-ADC-04
FSI-ADC-06
FSI-ADC-08
FSI-ADC-12
FSI-ADC-16
FSI-ADC-20
FSI-ADC-24
FSI-ADC-32

FSI-ADP



Aluminum Plug for Flat Face Screw Type Female Coupler

PLUG
FSI-ADP-04
FSI-ADP-06
FSI-ADP-08
FSI-ADP-12
FSI-ADP-16
FSI-ADP-20
FSI-ADP-24
FSI-ADP-32

Coupling Accessories

Screw Type Caps and Plugs



VFF-BDC



Brass Cap for Screw Type Male Nipple

CAP
VFF-BDC-12
VFF-BDC-16
VFF-BDC-20
VFF-BDC-24

VFF-BDP



Brass Plug for Screw Type Female Coupler

PLUG
VFF-BDP-12
VFF-BDP-16
VFF-BDP-20
VFF-BDP-24

VFF-HD-ADC



Aluminum Cap for Screw Type Male Nipple

CAP
VFF-HD-ADC-12
VFF-HD-ADC-16
VFF-HD-ADC-20
VFF-HD-ADC-24
VFF-HD-ADC-32

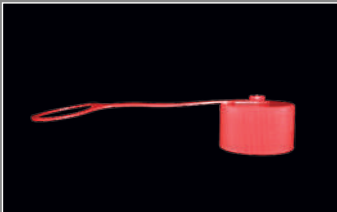
VFF-HD-ADP



Aluminum Plug for Screw Type Female Coupler

PLUG
VFF-HD-ADP-12
VFF-HD-ADP-16
VFF-HD-ADP-20
VFF-HD-ADP-24
VFF-HD-ADP-32

PVV3-PDC



Plastic Cap for Screw Type Female Coupler

CAP
PVV3-PDC-04
PVV3-PDC-06
PVV3-PDC-08
PVV3-PDC-12
PVV3-PDC-16
PVV3-PDC-20

PVV3-PDP



Plastic Plug for Screw Type Male Nipple (Swivel)

PLUG
PVV3-PDP-04
PVV3-PDP-06
PVV3-PDP-08
PVV3-PDP-12
PVV3-PDP-16
PVV3-PDP-20

PVV3-ADC



Aluminum Cap for Screw Type Female Coupler

CAP
PVV3-ADC-04
PVV3-ADC-06
PVV3-ADC-08
PVV3-ADC-12
PVV3-ADC-16
PVV3-ADC-20

PVV3-ADP



Aluminum Plug for Screw Type Male Nipple (Swivel)

PLUG
PVV3-ADP-04
PVV3-ADP-06
PVV3-ADP-08
PVV3-ADP-12
PVV3-ADP-16
PVV3-ADP-20

CRS-ADC



Aluminum dust cap for waterblast nipple body

CAP
CRS-ADC-08

CRS-ADP



Aluminum dust plug for waterblast coupling body

PLUG
CRS-ADP-08

Coupling Accessories

Screw Type Caps and Plugs



VIV1-ADC



Aluminum Cap for Screw Type Male Nipple

CAP
VIV1-ADC-20
VIV1-ADC-24
VIV1-ADC-32
VIV1-ADC-40
VIV1-ADC-48

VIV1-ADP



Aluminum Plug for Screw Type Female Coupler

PLUG
VIV1-ADP-20
VIV1-ADP-24
VIV1-ADP-32
VIV1-ADP-40
VIV1-ADP-48

VVS-ADC



Aluminum Cap for Screw Type Male Nipple

CAP
VVS-ADC-04
VVS-ADC-06
VVS-ADC-08
VVS-ADC-12
VVS-ADC-16

VVS-ADP



Aluminum Plug for Screw Type Female Coupler

PLUG
VVS-ADP-04
VVS-ADP-06
VVS-ADP-08
VVS-ADP-12
VVS-ADP-16

VVS-IT-ADC



Aluminum Cap for Screw Type Male Nipple

CAP
VVS-IT-ADC-04
VVS-IT-ADC-06
VVS-IT-ADC-08
VVS-IT-ADC-12
VVS-IT-ADC-16
VVS-IT-ADC-20
VVS-IT-ADC-24
VVS-IT-ADC-32

VVS-IT-ADP



Aluminum Plug for Screw Type Female Coupler

PLUG
VVS-IT-ADP-04
VVS-IT-ADP-06
VVS-IT-ADP-08
VVS-IT-ADP-12
VVS-IT-ADP-16
VVS-IT-ADP-20
VVS-IT-ADP-24
VVS-IT-ADP-32

PVS-ADC



Aluminum Cap for Screw Type Male Nipple

CAP
PVS-ADC-04
PVS-ADC-06

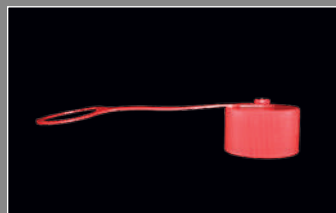
PVS-ADP



Aluminum Plug for Screw Type Female Coupler (Swivel)

PLUG
PVS-ADP-04
PVS-ADP-06

G Series



Dust Cap for Screw Type Female Coupler (Swivel)

CAP
RH08-0-RT001
RH12-0-RT001
RH16-0-RT001
RH20-0-RT001
RH25-0-RT001

G Series



Dust Plug for Screw Type Female Coupler (Swivel)

PLUG
RH08-9-RT001
RH12-9-RT001
RH16-9-RT001
RH20-9-RT001
RH25-9-RT001

Coupling Accessories

Poppet Style Caps and Plugs



ANV-RDC



Rubber Cap for Poppet
Style Male Nipple

CAP
ANV-RDC-04
ANV-RDC-06
ANV-RDC-08
ANV-RDC-12
ANV-RDC-16

ANV-RDP



Rubber Plug for Poppet
Style Female Coupler

PLUG
ANV-RDP-04
ANV-RDP-06
ANV-RDP-08
ANV-RDP-12
ANV-RDP-16

HNV-ADC



Aluminum Cap for Poppet
Style Male Nipple

CAP
HNV-ADC-04
HNV-ADC-06
HNV-ADC-08
HNV-ADC-12
HNV-ADC-16

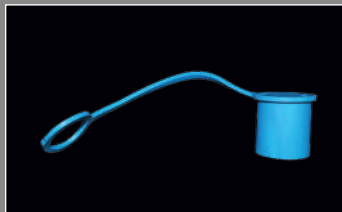
HNV-ADP



Aluminum Plug for Poppet
Style Female Coupler

PLUG
HNV-ADP-04
HNV-ADP-06
HNV-ADP-08
HNV-ADP-12
HNV-ADP-16

HNV-RDC



Rubber Cap for Poppet
Style Male Nipple

CAP
HNV-RDC-04
HNV-RDC-06
HNV-RDC-08
HNV-RDC-12
HNV-RDC-16

HNV-RDP



Rubber Plug for Poppet
Style Female Coupler

PLUG
HNV-RDP-04
HNV-RDP-06
HNV-RDP-08
HNV-RDP-12
HNV-RDP-16

TNV-RDC



Rubber Cap for Poppet
Style Male Nipple

CAP
TNV-RDC-04
TNV-RDC-06
TNV-RDC-08
TNV-RDC-12
TNV-RDC-16

TNV-RDP



Aluminum Plug for Poppet
Style Female Coupler

PLUG
TNV-RDP-04
TNV-RDP-06
TNV-RDP-08
TNV-RDP-12
TNV-RDP-16