










**Quick Disconnect Applications**

 Agriculture	 Mining	 Oil and Gas
 Railroad	 Forestry	 Utilities
 Food Industry	 Marine	 Construction



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**QUICK DISCONNECTS**



# DNP AMERICAS INNOVATION

## Color Safe System

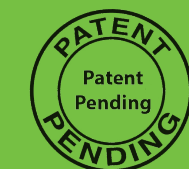


### DNP Americas Color Code Couplings

- Color coding can be utilized in a wide range of industrial markets when connecting and disconnecting is needed.
- Easy to use and implement
- Easy to see at a distance
- Helps to keep workers safe
- Helps to prevent equipment damage
- Implements poka-yoke by establishing a mistake-proofing system

### Series Offered

- FSI, PVT4
- **FSI BOP Series**



## BOP Quick Couplings



### BOP Quick Disconnects

- PVT4-BOP Series
- FSI-BOP Series
- HNV-BOP Series
- VFF-HD-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.



Flat Face Series

FF-GP



Standard: ISO 16028  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 3,675-4,630 PSI  
Connect under pressure: **Not Allowed**

FF-UHP



Standard: ISO 16028  
Push to Connect  
Locking: **Radial Balls**  
Material: **High Resistance Steel**  
Finishing: **Zn-Fe (CR111)/Zn-Ni**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,000 PSI  
Connect under pressure: **Not Allowed**

FF-HPG



Standard: ISO 16028  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP, SAE, JIC, ORFS**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 6,100-7,350 PSI  
Connect under pressure: **Not Allowed**

FF-UHP7



Interchange: Stucchi HP  
Push to Connect  
Locking: **Radial Balls**  
Material: **High Resistance Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,000 PSI  
Connect under pressure: **Not Allowed**

FF-HP-SS



Standard: ISO 16028  
Push to Connect  
Locking: **Radial Balls**  
Material: **316 Stainless Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +392°F  
Working Pressure: 4,200-7,000 PSI  
Connect under pressure: **Not Allowed**

FF-71



Interchange: Snap-Tite 71  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 5,000 PSI  
Connect under pressure: **Not Allowed**

FFK



Standard: ISO 16028  
Push to Connect  
Locking: **Radial Balls**  
Material: **High Resistance Steel**  
Finishing: **Zn-Fe (CR111)/Zn-Ni**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 6,100-7,350 PSI  
Connect under pressure: **Allowed (male side only)**  
Max Residual Pressure: 250 bar

D



Interchange: With Main Producers  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Trivalent Chrome Plating**  
Threads: **NPT, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 6,000 PSI  
Connect under pressure: **Not Allowed**

Flat Face Screw Type Series

PVT4



Interchange: DNP Exclusive  
Flat Face Screw Type  
Locking: **Screw Together**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111) - Zn-Ni**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 5,700-9,000 PSI  
Connect under pressure: **Allowed, both male or female side.**

PVT4-SL



Interchange: DNP Exclusive  
Flat Face Screw Together  
Locking: **Screw Together w/Pin Lock**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 5,700-9,000 PSI  
Connect under pressure: **Allowed both male or female side**

PVT4-SS



Standard: DNP Exclusive  
Flat Face Screw Together  
Locking: **Screw Together**  
Material: **316 Stainless Steel**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +392°F  
Working Pressure: 3,000-5,000 PSI  
Connect under pressure: **Allowed both male or female side**

FSI



Standard: Stucchi VEP  
Push to Connect  
Locking: **Screw Together**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)/Zn-Ni**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 5,700-9,000 PSI  
Connect under pressure: **Allowed both male or female side**

Poppet/Ball Type Series

HNV



Standard: ISO 7241-B  
Poppet Style  
Locking: **Radial balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 3,675-7,250 PSI  
Connect under pressure: **Not Allowed**

HNV-SS



Interchange: ISO 7241-1 B  
Poppet Style  
Locking: **Radial Balls**  
Material: **316 Stainless Steel**  
Finishing: **Stainless Steel**  
Threads: **NPT, BSP**  
Standard Seals: **Viton**  
Working Temperature: -13°F +392°F  
Working Pressure: 2,200-5,000 PSI  
Connect under pressure: **Not Allowed**

HNV-BRASS



Standard: 7241-B  
Push to Connect  
Locking: **Radial Balls**  
Material: **Brass**  
Finishing: **Brass**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +392°F  
Working Pressure: 2,000-3,000 PSI  
Connect under pressure: **Not Allowed**

HNV-LARGE BORE



Standard: 7241-B  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Trivalent Chrome Plating**  
Threads: **NPT, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 6,000 PSI  
Connect under pressure: **Not Allowed**

HNV-B-SS



Standard: 7241-B  
Push to Connect  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Trivalent Chrome Plating**  
Threads: **NPT, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 6,000 PSI

Poppet/Ball Type Series

ANV



Standard: ISO 7241-A  
Poppet Style  
Locking: **Radial balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 3,000-5,145 PSI  
Connect under pressure: **Not Allowed**

NS/NV



Interchange: With Main Producers  
Ball or Poppet Style  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, SAE**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 2,940-4,410 PSI  
Connect under pressure: **Not Allowed**

PPS/PPV



Standard: ISO 7241-1A  
Push/ Pull  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP & METRIC**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 2,490-3,675 PSI  
Connect under pressure: **Not Allowed**

PT/PTK



Interchange: **Nordic Interchange**  
Decompression Valve  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 4,350-5,000 PSI  
Connect under pressure: **PT: Not Allowed PTK: Allowed both male or female side**

Screw Type Series

VFF



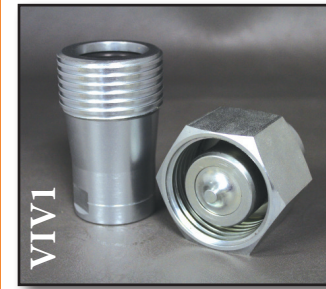
Standard: With Main Producers  
Screw to Connect  
Locking: **Screw Together**  
Material: **Brass Body**  
Wing Nut: **Carbon Steel**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 2,500-3,000 PSI  
Connect under pressure: **Not Suggested**

VFF-HD



Interchange: With Main Producers  
Screw to Connect  
Locking: **Screw Together**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 5,000 PSI  
Connect under pressure: **Residual**

VIV1



Interchange: DNP Exclusive  
Screw to Connect  
Locking: **Screw Together Poppet**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 2,200-3,000 PSI  
Connect under pressure: **Not Suggested**

PVR



Interchange: **RoFlex couplings**  
Screw to Connect  
Locking: **Screw Together Poppet**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 4,000-8,845 PSI  
Connect under pressure: **Allowed both male or female side**

VV



Interchange: **Faster VV**  
Screw type Push/Pull  
Locking: **Screw Together Poppet**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 3,350-5,100 PSI  
Connect under pressure: **Not Suggested**

Water/High Pressure Series

VVS/VVS-SS



Interchange: **Faster VVS**  
Screw to Connect  
Locking: **Screw Together**  
Material: **Carbon Steel or Stainless**  
Finishing: **Carbon Steel or Stainless**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 2,900-15,000 PSI  
Connect under pressure: **Residual**

PVS/PVP



Interchange: With Main Producers  
Screw to Connect Ball  
Locking: **Screw Together**  
Material: **High Resistance Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT, BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,290 PSI  
Connect under pressure: **Not Suggested**

HPI



Interchange: **Parker**  
Screw to Connect  
Locking: **Screw Together Poppet**  
Material: **Stainless Steel Body**  
Hex: **Brass**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,000 PSI  
Connect under pressure: **Not Suggested**

TC



Interchange: With Main Producers  
Push/Pull Ball Type  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,000 PSI  
Connect under pressure: **Not Allowed**

HO



Interchange: **Parker**  
Push/Pull Unvalved  
Locking: **Radial Balls**  
Material: **316 Stainless Steel**  
Finishing: **316 Stainless Steel**  
Threads: **NPT**  
Standard Seals: **Buna w/ Teflon Ring**  
Working Temperature: -13°F +212°F  
Working Pressure: 10,000-15,000 PSI  
Connect under pressure: **Not Allowed**

Water/High Pressure Series

CRS



Interchange: **Water Blast Market**  
Screw to Connect Unvalved  
Locking: **Screw Together**  
Material: **316 Stainless Steel**  
Finishing: **316 Stainless Steel**  
Threads: **NPT or MPF**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 15,000-20,000 PSI  
Connect under pressure: **Not Allowed**

UHP 115/116



Interchange: **Cejn**  
Push to Connect  
Locking: **Radial Balls**  
Material: **High Resistance Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **115/NPT, 116/BSP**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 15,000-20,000 PSI  
Connect under pressure: **Not Allowed**

TNV



Interchange: **General Purpose**  
Poppet Style  
Locking: **Radial Balls**  
Material: **Carbon Steel**  
Finishing: **Zn-Fe (CR111)**  
Threads: **NPT**  
Standard Seals: **NBR**  
Working Temperature: -13°F +212°F  
Working Pressure: 1,500-6,500 PSI  
Connect under pressure: **Not Allowed**

Pneumatic Series

TL



Interchange: **Dixlock, Bowes**  
UnValved  
Locking: **Locking Sleeve**  
Material: **Carbon Steel**  
Finishing: **Trivalent Chrome Plating**  
Threads: **NPT**  
Standard Seals: **BUNA**  
Working Temperature: -40°F +250°F  
Working Pressure: 500 PSI  
Connect under pressure: **Allowed**

PI



Interchange: **Industrial Interchange**  
Valved  
Locking: **None**  
Material: **Brass, Steel**  
Finishing: **Brass, Zinc**  
Threads: **NPT**  
Standard Seals: **Buna**  
Working Temperature: -40°F +250°F  
Working Pressure: 300 - 500 PSI  
Connect under pressure: **Allowed**