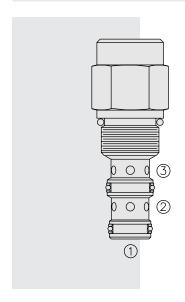
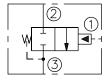
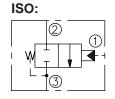
# PD10-32 Piloted 2-Way Spool, Normally Closed,



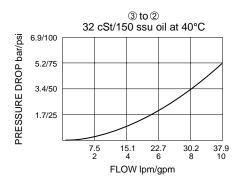
## **SYMBOLS**

#### **USASI:**





## PERFORMANCE (Cartridge Only)



#### **DESCRIPTION**

A screw-in, cartridge-style, pilot-operated, spool-type, normally closed, hydraulic directional valve for two-way circuits requiring remote pilot actuation.

#### OPERATION

In neutral (unpiloted), the **PD10-32** blocks flow from ③ to ② bidirectionally. The spring bias chamber is internally vented to ③.

On remote pilot signal at ①, the valve shifts to open ② to ③ unidirectionally.

## **FEATURES**

- Hardened spool and cage for long life.
- Industry common cavity.

#### **RATINGS**

Operating Pressure: 240 bar (3500 psi) Proof Pressure: 390 bar (5700 psi) Flow: See Performance Chart

Internal Leakage: 82 cc/minute (5 cu. in./minute) max. at 207 bar (3000 psi)

**Pilot Pressure Required:** To Full Spool Shift: for 4.1 bar (60 psi) spring: 4.7 bar (68.2 psi) for 7.6 bar (110 psi) spring: 8.6 bar (125 psi)

Oil Volume Required to Full Shift: 0.65 cc (0.04 cu. in.) Temperature: -40 to 120°C with standard Buna seals

Filtration: See page 9.010.1

**Fluids:** Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

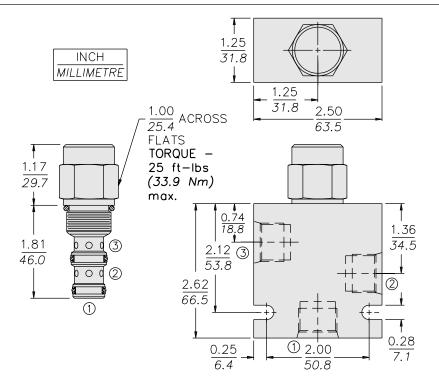
Installation: No restrictions; See page 9.020.1

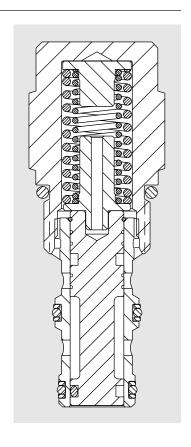
Cavity: VC10-3; See page 9.110.1 Cavity Tool: CT10-3XX; See page 8.600.1 Seal Kit: SK10-3X-MM; See page 8.650.1



Internal Vent PD10-32

### **DIMENSIONS**



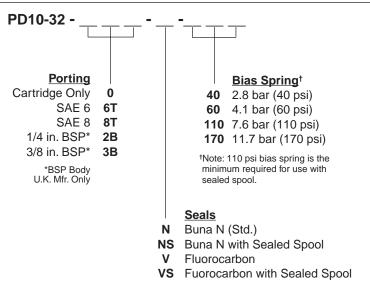


## **MATERIALS**

Cartridge: Weight: 0.15 kg. (0.34 lbs.) Steel with hardened work surfaces; Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard.

Standard Ported Body: Weight: 0.36 kg. (0.80 lbs.) Anodized highstrength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ. See page 8.010.1.

# TO ORDER



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