# **5300B API Coupler with Bonded Nose Seal**



API Couplers are used at the petroleum loading rack for bottom loading of petroleum tankers. They are mounted to the rack loading arm, using the built-in 4" TTMA Flange Connection. When the empty petroleum tanker pulls into the loading rack to load the API Couplers are connected to the API Valves on the tanker. The connection interface consists of a poppet and a plunger which ensures a positive spill-free connection.



#### **Application**

· Bottom loading of petroleum tankers

#### **Features**

- Modular design, allows various ace seal combinations to be compatible with different alternative fuel performance levels and applications
- · No special tools needed for maintenance
- Shaft seals can be changed without removing coupler from loading arm
- Locking 5 cam design for easy alignment and tight connection and safety interlock to help ensure the coupler is properly attached before the valve opens
- · Ball-end handle for easy, comfortable operation
- Bonded nose seal offers a long life and cannot be washed out

#### **Materials**

- 356 T6 aluminium anodized hard coat body with aluminium handle and stainless steel hardware
- · FKM-B Seals
- · Hardened 17-4PH stainless steel link, shaft, pin and crank
- · Stainless steel cam

#### **Specifications**

- · Pressure drop of only 3 to 4psi
- Fuel compatibility gasoline and diesel, up to E100 and B100 biofuels

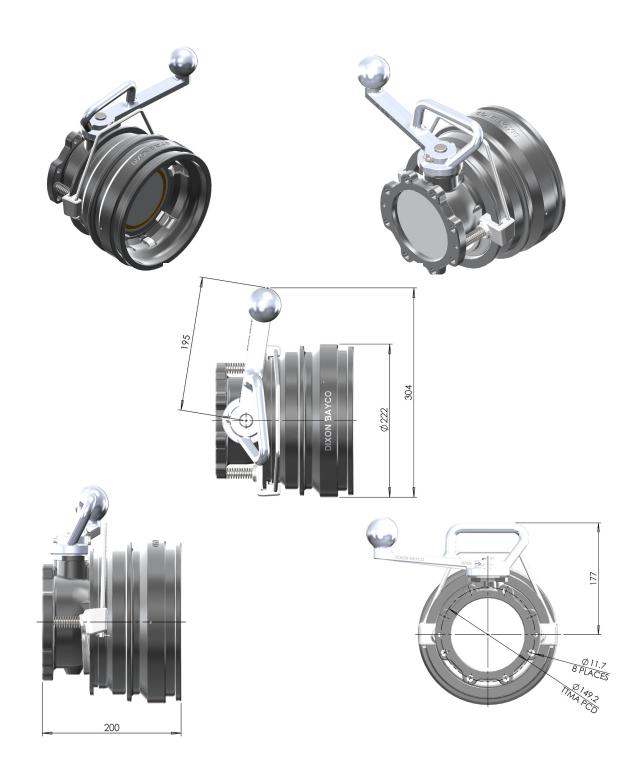
#### **Standards**

 Manufactured to American Petroleum Institute Standard (API RP-1004), which allows for positive connection to the API valves from other brands made to the same specifications.

Size	Maximum Operating Pressure	Temperature Rating	Flow	Weight	Part No.
4" TTMA	150psi	-23°C to 204°C	1000 GPM (2271lpm) maximum	10kg	5300B

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