

## API Bottom Rack Loading Fitting

Dixon API coupler uses a snap on connection where the coupling action is automatic upon contact with the API adapter. The coupler is completely modular so it can be built with various face seal combinations to be compatible with different alternative fuel, performance levels and applications. Two models are available: bonded nose seal and replaceable nose seal.

### Material Specifications:

- Body: hard coated anodized AL 356 T6
- Shroud: hard coated anodized AL 356 T6, SS insert
- Link, shaft, pin and crank: hardened 17-4PH stainless steel
- Cam: CF8M stainless steel
- Poppet and bearing: ZA-12
- Seal options: Baylast™, Viton-B®, Viton® GFLT

### Chemical Compatibility (Baylast™ seals):

- Gasoline
- Diesel
- Avgas
- 100% ethanol
- 100% methanol
- B2 to B20 biodiesel blends

### Technical Specifications:

- Weight: 9.1 kgs.
- Maximum working pressure: 150 PSI
- Peak surge pressure: 350 PSI
- Operating temperature:
  - Viton® seals: -29°C (-20°F) to 204°C (+400°F)
  - Baylast™ seals: -29°C (-20°F) to 121°C (+250°F)
- Maximum flow rate: 600 GPM
- Pressure drop: 3 to 4 PSI

### Chemical Compatibility (Viton-B® seals):

- Gasoline
- Diesel
- Jet fuel
- Avgas
- 100% ethanol
- 100% methanol
- 100% biodiesel
- Any blend of the above fluids

- 4" TTMA inlet mounting flange
- 5 cam design for easy alignment and tight connection
- Ball-end handle for easy, comfortable operation
- No special tools needed for maintenance
- Shaft seals can be changed without removing coupler from loading arm
- Fully compliant with API RP1004:2003 specifications
- Fully interlocked collar can not be opened when connected and can not be disconnected when opened
- One piece bonded nose seal ensures long life and cannot be washed out
- Optional replaceable nose seal for quick replacement without removal from loading arm



bonded nose seal  
model - 5300

### BOTTOM LOADING ARM API COUPLER

BONDED NOSE SEAL NO.	REPLACEMENT NOSE SEAL NO.	SEAL MATERIAL
5300 5300B 5300G	5400 5400B 5400G	Baylast™ Viton-B® Viton GFLT