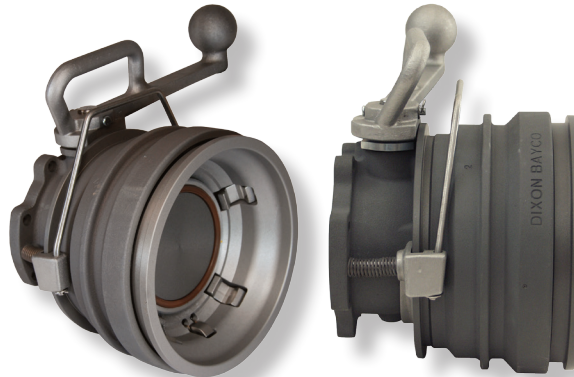




## 5300 / 5400 Series API Coupler

*API coupler uses an improved snap-on connection, the coupling action is automatic upon contact with the API adapter.*

**EXCLUSIVE  
5 YEAR  
MECHANICAL  
WARRANTY \***



5300 Series

### Application:

- When combined with API adapters, these couplers are suitable for rail car and tank truck loading or unloading

### Materials:

- Body: hard coated anodized 356T6 aluminum
- Shroud: hard coated anodized 356T6 aluminum with stainless steel insert
- Link, shaft, pin and crank: hardened 17-4PH stainless steel
- Cam: CF8M stainless steel
- Poppet and bearing: Bayloy
- Seals: Buna, FKM-B, FKM-GFLT

### Features:

- Locking 5 cam design provides easy alignment and tight connection
- Modular design allows various face seal combinations to be compatible with different alternative fuels, performance levels and applications
- Shaft seals can be changed without removing coupler from loading arm
- Fully interlocked collar cannot be opened when connected and cannot be disconnected when opened
- Choice of a bonded nose seal, or a replaceable nose seal which allows quick seal replacement
- 4" TTMA inlet mounting flange connection
- Maximum flow rate: 600 GPM
- Ball-end handle for easy, comfortable operation
- No special tools needed for maintenance
- Chemical compatibility (FKM-B seals):
  - gasoline
  - diesel
  - jet fuel
  - avgas
  - 100% ethanol
  - 100% methanol
  - 100% biodiesel
  - any blend of the above fluids
  - crude oil
- Chemical compatibility (Buna seals):
  - gasoline
  - diesel
  - avgas
  - 100% ethanol
  - 100% methanol
  - B2 to B20 biodiesel blends

### Specifications:

- Operating temperature:
  - FKM-B: -10°F to 400°F (-23°C to 204°C), FKM-GFLT: -20°F to 400°F (-28°C to 204°C),
  - Buna seals: -20°F to 250°F (-28°C to 121°C)
- Pressure drop: 3 to 4 PSI

### Standard:

- Fully compliant with API RP1004:2003 specifications

\* Normal wear and tear items (including seals) not covered

# API Fittings - 5300 / 5400 Series



bonded nose seal  
offers long life and cannot be washed out



replaceable nose seal  
replaceable without removal from the loading arm

Size	Seal Material	Bonded Nose Seal Part #	Maximum Working Pressure	Replaceable Nose Seal Part #	Maximum Working Pressure
4"	Buna	<b>5300</b>	<b>150</b>	<b>5400</b>	<b>75</b>
	FKM-B	<b>5300B</b>	<b>150</b>	<b>5400B</b>	<b>75</b>
	FKM-GFLT	<b>5300G</b>	<b>100</b>	<b>5400G</b>	<b>75</b>
	FKM-B	<b>5300BC</b> <sup>1</sup>	<b>150</b>	---	--

<sup>1</sup> designed for high sulfur crude oil service

- Reference the Dixon Bayco Petroleum and Overfill catalog for bill of materials and complete list of repair kits.

## Repair Kits



5354K1



5354K9



5354K13

Description	Part #
Buna shaft seal kit (for 5300 and 5400)	<b>5354K1</b>
FKM-B shaft seal kit (for 5300B and 5400B)	<b>5354K3</b>
Bonded buna nose seal (for 5300)	<b>5354K7</b>
Bonded FKM-B nose seal (for 5300B)	<b>5354K9</b>
Buna replaceable nose seal kit (for 5400)	<b>5354K13</b>
FKM-B replaceable nose seal kit (5400B)	<b>5354K15</b>

### Dixon Bayco

800 High Street • Chestertown, MD 21620  
phone: 410.778.2000 • fax: 410.778.4702  
[dixonvalve.com](http://dixonvalve.com)

### Dixon Group Canada Limited

2315 Bowman Street • Innisfil, Ontario L9S 3V6  
phone: 800.355.1991 • fax: 877.436.6251  
[canada.dixonvalve.com](http://canada.dixonvalve.com)

