

5500-Series API Coupler



Application

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

Features

- Locking five-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
- Replaceable nose seal can be changed without removing coupler from loading arm
- Fully interlocked collar prevents fitting from opening when disconnected and from being disconnected while opened
- 4" TTMA inlet mounting flange connection
- Ball-end handle for easy and comfortable operation
- No special tools needed for maintenance

Materials

- Body: 356 T6 aluminum anodized hard-coat
- Cam: stainless steel
- Poppet: 356T6 aluminum anodized hard-coat
- Seals: FKM-GFLT standard; Baylast, EPDM, Fluoroelastomer, FKM-B
- Link, shaft, pin, crank: hardened 17-4PH stainless steel
- Handle: aluminum, stainless steel

Specifications

- Seal operating temperature:
 - Baylast™: **-35°F to 212°F (-37°C to 100°C)**
 - EPDM: **-60°F to 250°F (-50°C to 121°C)**
 - FKM-B: **-15°F to 400°F (-26°C to 204°C)**
 - FKM-GFLT: **-35°F to 400°F (-37°C to 204°C)**
 - Fluorosilicone: **-50°F to 350°F (-45°C to 176°C)**
- Flow rate: **600 GPM** at 3 PSI pressure drop; max flow rate: **1,000 GPM**
- Fully compliant with API RP1004:2003 specifications
- Maximum allowable working pressure: **150 PSI**
- Surge pressure: **350 PSI**

Description	Part #
5500 API rack coupler FKM-GFLT aluminum handle	5500G
5500 API load coupler FKM-B seals with aluminum handle	5500B
5500 API rack coupler FKM-B seals with aluminum handle, Inconel® springs for crude service	5500BC
5500 API rack coupler Baylast aluminum handle	5500BL
5500 API rack coupler EPDM aluminum handle	5500E
5500 API rack coupler fluorosilicone aluminum handle	5500F

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



The Right Connection®



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