

Dixon® MannTek Dry Aviation Couplers - Hose Unit

Application

- Designed for use in aviation refueling systems

Features

- Composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- Accepts international standard 2-1/2" point bayonet, hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, they are not configured for under-wing refueling
- Gunmetal coupling ring minimizes the risk of seizure
- Riveted piston pin minimizes risk of failure under extreme pressure conditions
- Protective ring is a specially formulated weather resistant and electrically conductive rubber compound



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Materials

- Body: high-strength aluminum
- Coupling ring: gunmetal (produced to U.S. government bronze specification G)
- Bayonet flange and inner parts: stainless steel, aluminum
- All wetted parts are aluminum and stainless steel
- Stainless steel ball bearings
- Stainless steel shaft journal embedded in PTFE eliminates seizure
- PTFE bearings between the driving plate and piston guide eliminate the risk of seizure

Specification

- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

Coupler x Female NPT

| Female NPT | Body Size | Aluminum Part # |
|------------|-----------|-----------------|
| 2-1/2" | ISO 45 | DAC250AL |
| 3" | ISO 45 | DAC300AL |

Coupler x Female BSP

| Female BSP | Body Size | Aluminum Part # |
|------------|-----------|-----------------|
| 2-1/2" | ISO 45 | DAC250ALBSP |
| 3" | ISO 45 | DAC300ALBSP |



Dust Plug for Couplers

| Body Size | Polyeten PE-HD300 Part # |
|-----------|--------------------------|
| ISO 45 | DADP250 |



NOTE: Refer to body size when selecting a plug.