


Dixon® MannTek Dry Aviation Couplers – Hose Unit

Application

- Designed for use in aviation and military refueling systems. This coupling is not configured for under wing refueling. All units can also be used as bottom loading or primary points refueling vehicles

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/NATO 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

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 and Female NPT

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

Coupler and 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.



C