

Part Number: G314A1401B



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https://configurator.manntek.se/DAC/TANKUNIT_DAC/3/AL/THREAD/SS/F_3_BSP_B_DAC/VITON/NONE/DEFAULT/PU_DEFAULT/WITHOUT/Product13.html

Product Group

Dry Aviation Couplings

Quick and safe connection of hose assemblies and loading arms to mobile and stationary tanks, under pressure and with minimised liquid loss.

DAC couplings are suitable e.g. for bottom loading of aviation refuellers. They are not certified for underwing refuelling. All wetted parts of the coupling are free from yellow metal such as brass/bronze, safeguarding media purity.

Both coupling parts are equipped with a flat poppet valve. For the connection, the hose unit is pushed onto the tank unit and coupled / sealed by turning the coupler clockwise by 15 degrees. When the unit is turned by 100 degrees, the valves move into the tank unit so that the medium can flow. When a similar turn is made counter-clockwise, the flow is stopped and the coupler can be pulled off.

Certificates: DAC couplings fulfill the requirements of European Pressure Equipment Directive category 2.

They are suitable for the use in potentially explosive atmosphere (ATEX) zone 1, approved for the transport of dangerous goods on road (ADR) and by rail (RID). TÜV TÜ.AGG 304-99, Lloyd's Register 0038/ATEX/HAM064017, TDT-UW-21/16, EAC TC No. RU Д-SE.MЮ62.B.02151

Type of Coupling

Male (Tank Unit, Ground Unit)

Self locking quick connect/disconnect coupling for aviation fuel, to ISO 45, MS24484 and STANAG 3105 - with 2½" bayonet connection.

Tank unit without swivel, typically fix mounted as a filling connector on storage tanks, aviation refuellers and mobile tank containers.

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Nominal Diameter	2½" (Ø 105 mm)
Material Coupling and Body	Aluminium
	Maximum Working Pressure 10 bar
	Test Pressure 15 bar
	Minimum Burst Pressure 50 bar

Connection	Threaded Connection
Connection Detail	F 3" BSP 3" BSP female to EN ISO 228



Connection Detail	Technical Drawing
O-Rings	Viton® (FPM/FKM) Standard FKM/FPM (Fluorocarbon Rubber): FKM is known especially for its non-flammability, low gas permeability and excellent resistance to ozone, weathering and aging. The operating temperatures of the Fluorocarbon Rubber range between -20° C and +200° C). FKM is often used with mineral based oils and greases at high temperatures, aliphatic, aromatic and chlorinated hydrocarbons and oxidizing acids.
Options: Special Types	No Special Types required
Options: Handle	Standard
Flat Seal	Polyurethane (Default)
Accessories	Without Dust Cap Not recommended

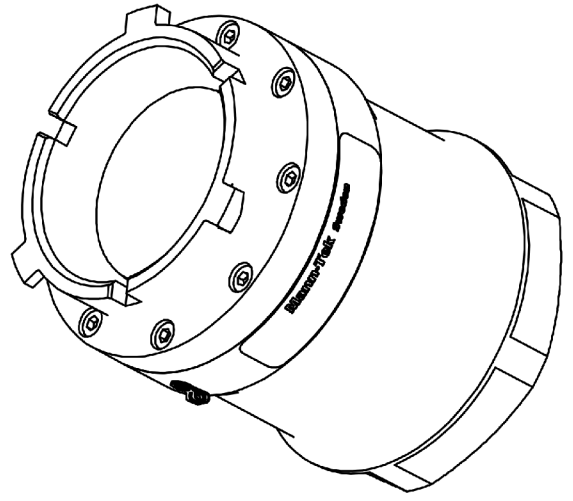
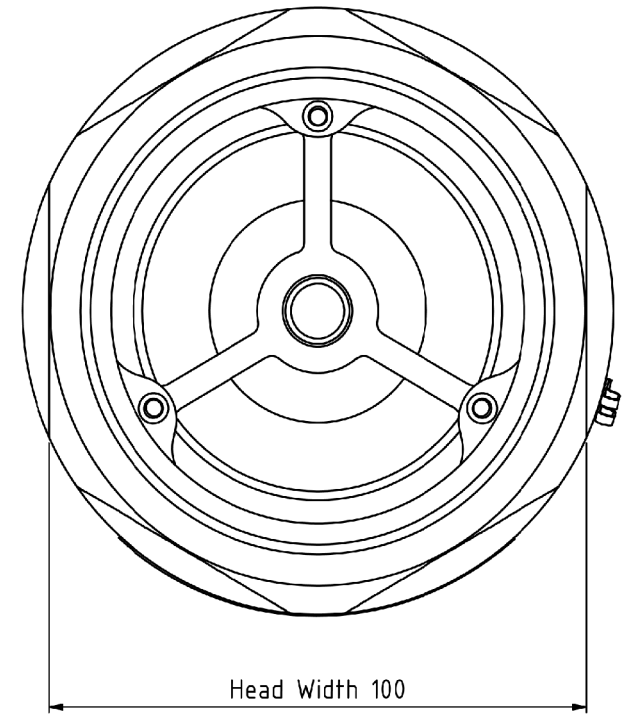
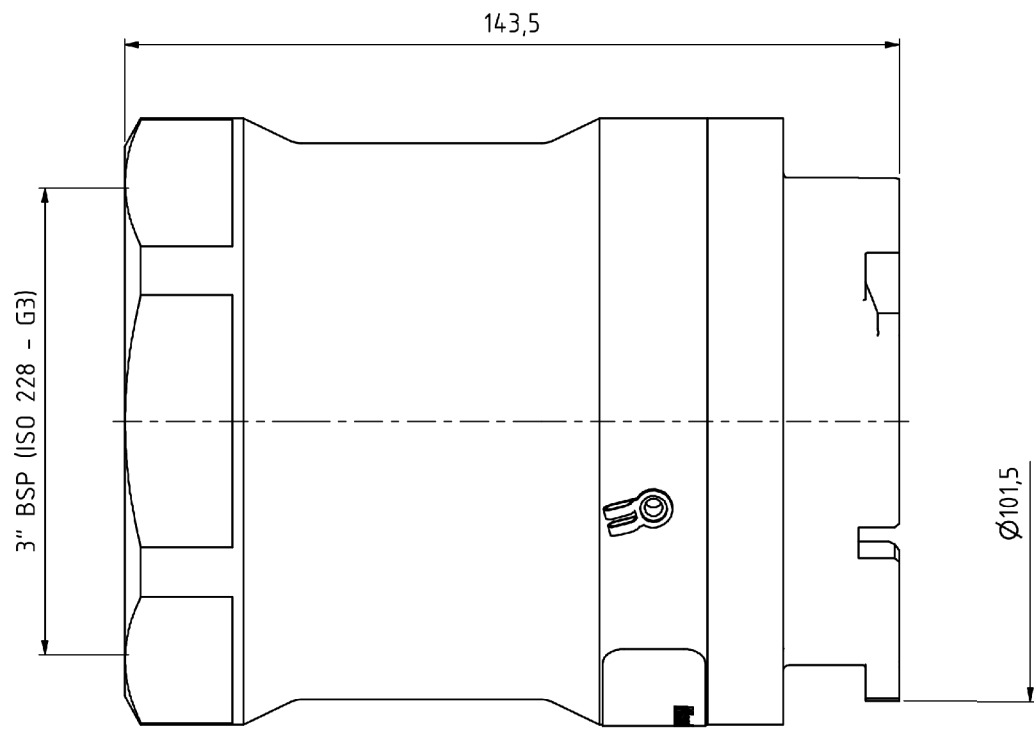
PDF Documents

 [Homepage DAC-Couplings \(Dry Aviation Couplings\)](#)

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Dry Aviation Couplings
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F 3" BSP