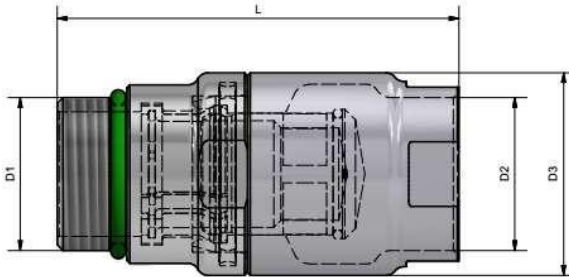


GZD R3/4" MF 670 TYPE 1

**DISASSEMBLABLE ROTARY COUPLING FOR MULTIPLE USE ACCORDING TO
 EN 13617-2, ATEX No: IEP 23 ATEX 1181U EN 13617-2:2021
 FOR OPW TYPE GUNS WITH R3/4" THREAD CONNECTION
 USER MANUAL - WARRANTY DOCUMENT**



D1	D2	D3(mm)	L(mm)
R3/4"M	R3/4"F	Ø35	69

The DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 is a reusable coupling designed to protect the dispenser, hose, and gun assembly while the vehicle is in motion, as well as to prevent potential physical damage that may occur due to an accident. It is specifically designed to separate from the gun in case the gun is left in the vehicle's tank, in order to avoid causing damage to the dispenser and prevent fuel leakage from the dispenser.

The DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 is directly mounted on the nozzle. Prior to shipment, each GZD R3/4" MF 670 TYPE 1 coupling undergoes testing for tear and leakage resistance (according to EN 13617-2) at a pressure of 5.25 bar. In accordance with EN 13617-2 standard, the GZD R3/4" MF 670 TYPE 1 coupling is subjected to axial or angular testing with a pulling force ranging from 80 kg (800 N) to 150 kg (1500 N). The working pressure of the GZD R3/4" MF 670 TYPE 1 coupling is up to 3.5 bar. It is designed for a temperature range of -20°C to +40°C, but it can also be manufactured for customer requirements in a temperature range of -40°C to +55°C.

Each GZD R3/4" MF 670 TYPE 1 coupling is marked with a production date code. For example, for 2022/3, 2022 represents the production year (2022), and 3 represents the quarter within the production year.

For example;



DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 may experience a maximum fuel leakage of 120 ml in case of forced separation.

INSTALLATION INSTRUCTIONS FOR THE DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1

- Close the pump and release the pressure in the hydraulic system,
- Disconnect the nozzle from the hose along with the rotary joint (Figure 1)
- Separate the rotary joint from the nozzle
- Apply a light lubrication to the threads of the DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1
- Connect the nozzle with the DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1
- Attach the nozzle assembly and the DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 to the hose for fuel stations (Figure 2)
- Open the fuel pump and check the sealing of the nozzle assembly DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 and the fuel pump hose
- If the DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 is factory-set on the nozzle, the assembly to the fuel pump hose is done as described above.

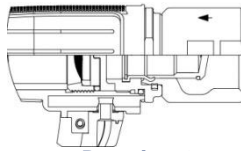
NOTE: The assembly of the DISASSEMBLABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 is done using appropriate tool measurements, namely 30 mm, 34 mm, and 41 mm



Figure 1



Figure 2



Drawing 3



Drawing 4

The drawing number 3 represents a properly assembled REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1.

REASSEMBLY AFTER DISASSEMBLY

NOTE: This procedure should only be performed by an authorized service technician who follows the company's procedures and adheres to all safety regulations.

Before commissioning the fuel station, the entire system is tested under pressure to ensure the tightness of all connections.

- Close the pump and reduce the pressure in the hydraulic system (hoses),
- Disconnect the front part of the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 from the nozzle body,
- Remove the rear part of the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 from behind the fuel pump hose.

Clean all parts of the REMOVABLE ROTARY COUPLING GZD and check for any damage resulting from the disassembly of the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1. If there is any damage, the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 should not be used. Please note that spare parts for the REMOVABLE ROTARY COUPLING GZD are not available except for the external O-ring.

- Lubricate all metal sliding surfaces and O-rings of the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1.
- Assemble the front and rear parts of the REMOVABLE ROTARY COUPLING GZD R3/4" MF 670 TYPE 1 by applying axial force manually and using a tool. A "click" sound will be heard upon successful connection (Refer to Diagram 4).
- The REMOVABLE ROTARY COUPLING GZD 50/80 is now ready to be installed between the nozzle and the fuel pump hose, as described above, using the pressure test of the entire system.



WARRANTY

The warranty period for the **REMOVABLE ROTARY COUPLING** starts from the moment of delivery and lasts for 24 months to ensure its proper functioning. If the exact delivery date cannot be determined, the production date stamped on the **REMOVABLE ROTARY COUPLING** is considered as the start date of the warranty period.

The warranty for the REMOVABLE ROTARY COUPLING does not cover damages caused by non-professional use or the use of liquids that are not intended for the REMOVABLE ROTARY COUPLING's purpose, including any external damages to the REMOVABLE ROTARY COUPLING and its components.

The warranty does not cover the costs of installation, transportation, or compensation for personal or property damages resulting from the use of the REMOVABLE ROTARY COUPLING, in addition to the replacement or repair costs of the REMOVABLE ROTARY COUPLING.



DECLARATION OF CONFORMITY - EU Directive 94/9/EC

Manufacturer **NOZTECH PETROL EQUIPMENT TECHNOLOGY TRADE Inc.** - declares:

REMOVABLE ROTARY COUPLING R3/4" MF670 TYPE 1, is manufactured in compliance with the requirements of EU Directive 94/9/EC and EN 13617-2 standard.

This declaration is valid for the serial number: _____ from _____ year

NOZTECH PETROL EQUIPMENT TECHNOLOGY TRADE Inc.

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TÜRKİYE