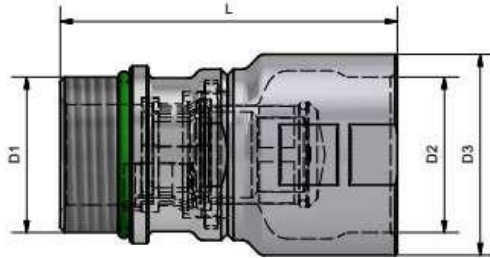


## GZD R1" MF 690 TYPE1

ACCORDING TO EN 13617-2, THE DISMANTLABLE ROTARY COUPLING FOR  
MULTIPLE USE, ATEX NO: IEP 23 ATEX 1181U EN 13617-2:2021

For OPW type nozzles with R1" connection thread

### USER MANUAL – WARRANTY CERTIFICATE



D1	D2	D3(mm)	L(mm)
R1" M	R1" F	Ø43	72

The rotary swivel coupling GZD R1" MF 690 TYPE 1 is a reusable coupling designed to protect the dispenser, hose, and nozzle assembly, as well as the vehicle, from potential physical damage that may occur while the vehicle is in motion or due to an accident. It is specifically designed to separate from the nozzle in case the nozzle is left in the vehicle's fuel tank, preventing any damage to the dispenser and avoiding fuel leakage from the dispenser.

The ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is directly mounted to the nozzle. Prior to shipment, each ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 undergoes testing for tear and leakage resistance (according to EN 13617-2 at 5.25 bar). According to EN 13617-2 standard, the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is subjected to axial or angular testing with a pulling force of 80 kg (800 N) to 150 kg (1500 N). The operating pressure of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is up to 3.5 bar. It is designed for a temperature range of -20°C to +40°C. The ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 can also be manufactured according to customer request for a temperature range of -40°C to +55°C.

Each ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is marked with a production date code. For example, 2022/3 represents 2022 as the production year and 3 as the production quarter. In addition to product data, For example;



ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1, in the case of forced separation, may result in a maximum fuel leakage of 120 ml.

### **Installation Instructions for ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE1:**

- Turn off the pump and release the pressure in the hydraulic system,
- Disconnect the nozzle from the hose along with the rotary swivel (Refer to Figure 1),
- Separate the rotary swivel from the nozzle
- Lightly lubricate the threads on the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1
- Connect the nozzle to the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1
- Attach the nozzle assembly and the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 to the hose at fuel stations (Refer to Figure 2)
- Open the fuel pump and check for any leaks at the connection points, including the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 and the fuel pump hose
- If the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is pre-installed in the nozzle, follow the above steps for connecting it to the fuel pump hose.

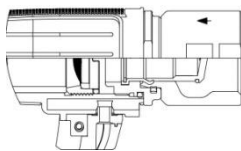
**NOTE:** The installation of ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is to be carried out only with the appropriate tool sizes, i.e., 30 mm, 34 mm, and 41 mm



**Figure 1**



**Figure 2**



**Drawing 3**



**Drawing 4**

The drawing number 3 shows a properly installed REMOVABLE ROTARY COUPLING GZD R1" MF 690 TYPE 1.

#### **AFTER DISASSEMBLY, REASSEMBLY**

**NOTE:** This procedure should only be carried out by an authorized service technician who follows the company's procedures and takes into account 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 release the pressure in the hydraulic system (hoses),
  - Detach the front part of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 from the nozzle body.,
  - Unscrew the rear part of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 from behind the fuel pump hose.
- Clean all parts of the ROTARY SWIVEL COUPLING GZD and check for any damage resulting from severe separation of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1. If there is any damage, the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 should not be used. Except for the external O-ring, no spare parts are available for the ROTARY SWIVEL COUPLING GZD.
- Lubricate all metal sliding surfaces and O-rings of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1.
  - Join the front and rear parts of the ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 by applying axial force manually and within the tool. A successful connection will produce a "click" sound (Refer to Figure 4).
  - The ROTARY SWIVEL COUPLING GZD R1" MF 690 TYPE 1 is 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 date of delivery and is valid for 24 months. 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**.

Warranty costs do not include compensation for damages to the **REMOVABLE ROTARY COUPLING** and its parts caused by external factors, as well as the cost of installation, transportation, or damages to persons or property resulting from the use of the **REMOVABLE ROTARY COUPLING**.



### DECLARATION OF CONFORMITY - EU Directive 94/9/EC

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

that the **REMOVABLE ROTARY COUPLING GZD R1" MF 690 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