

TLRD series

# Refillable automatic grease dispenser

The TLRD series is a refillable electro-mechanical single-point grease dispenser, which can be reused by simply refilling it with fresh grease and installing with a new battery pack. It brings additional value compared to gas-driven lubricators as it can be operated under variable temperatures, or when the application conditions require a remote mounting (in case of vibration, limited space or hazardous environment), or when a simple filling / refilling process is required.

- Available in 2 sizes (150 and 250 ml)
- To be filled with any compatible grease (it is supplied without lubricant)
- Can be filled and refilled easily with a standard grease gun/pump
- Maximum discharge pressure of 5 bars over the full dispensing period
- Visual inspection is easy through the translucent reservoir
- Normal / abnormal working conditions are indicated by a LED
- Connection nipples and other installation accessories are available
- Suitable for both direct and remote installation

### Typical applications

- Applications in restrictive and hazardous locations
- Bearing housing lubrication
- Electric motors
- Fans and pumps
- Conveyors
- Cranes
- Food and beverage processing machinery
- Many more



TLRD 1-FA



TLRD 250



TLRD 150

### Ordering details

| Designation | Description   |
|-------------|---|
| TLRD 150    | Drive unit kit (150 ml) incl. empty cartridge, drive unit with cap and battery pack |
| TLRD 250    | Drive unit kit (250 ml) incl. empty cartridge, drive unit with cap and battery pack |
| TLRD 1-FA   | Filling adapter (all cartridges)  |

| Technical data                        |                                |                                |
|---------------------------------------|--------------------------------|--------------------------------|
| Designation                           | TLRD 150                       | TLRD 250                       |
| Approx. dimensions                    | 152 × 89 mm (6 × 3.5 in.)      | 196 × 102 mm (7.7 × 4 in.)     |
| Weight                                | 0.58 kg (1.28 lb)              | 0.68 kg (1.50 lb)              |
| Grease capacity                       | 150 ml (5.1 fl. oz US)         | 250 ml (8.5 fl. oz US)         |
| Time setting                          | Adjustable 1 to 12 months      | Adjustable 1 to 12 months      |
| Outlet interface                      | G½                             | G½                             |
| Ambient temperature range             | -20 to + 60 °C (-4 to +140 °F) | -20 to + 60 °C (-4 to +140 °F) |
| Operating pressure range              | Up to 5 bar                    | Up to 5 bar                    |
| Electrical rating                     | 6V CR-P2 Lithium (1 400 mAh)   | 6V CR-P2 Lithium (1 400 mAh)   |
| Storage temperature range             | 0 to 50 °C (32 to 122 °F)      | 0 to 50 °C (32 to 122 °F)      |
| Drive mechanism                       | Electro-mechanical             | Electro-mechanical             |
| Maximum feed line length              | Up to 3 meters (10 ft)         | Up to 3 meters (10 ft)         |
| Protection class assembled lubricator | IP 65                          | IP 65                          |

| Accessories |                                     |             |                                 |             |   |
|-------------|-------------------------------------|-------------|---------------------------------|-------------|---|
| Designation | Description                         | Designation | Description                     | Designation | Description   |
| LAPR 1/4    | Nipple G1/2F – G1/4M                | LAPN 1/8    | Nipple G 1/4 - G 1/8            | LAPE 35     | Extension 35 mm (G1/4F – G1/4M)                     |
| LAPR 1/8    | Nipple G1/2F – G1/8M                | LAPN 3/8    | Nipple G 1/4 - G 3/8            | LAPF F1/4   | Tube connection female G 1/4                        |
| LAPR A1/4   | Angle connection 45°, G1/2F – G1/4M | LAPN 6      | Nipple G 1/4 - M6               | LAPF M1/8   | Tube connection male G 1/8                          |
| LAPR A1/8   | Angle connection 45°, G1/2F – G1/8M | LAPN 8      | Nipple G 1/4 - M8               | LAPF M1/4   | Tube connection male G 1/4                          |
| LAPC R1/4   | Support bracket 1/2" (F) – 1/4" (M) | LAPN 8      | Nipple G 1/4 - M8               | LAPF M3/8   | Tube connection male G 3/8                          |
| LAPA 45     | Angle connection 45°, G1/4M         | LAPN 8x1    | Nipple G 1/4 - M8 × 1           | LAPT 1000   | Flexible tube, 1 000 mm long, 8 × 6 mm              |
| LAPA 90     | Angle connection 90°, G1/4M         | LAPN 10     | Nipple G 1/4 - M10              | LAPT 5000   | Flexible tube, 5 000 mm long, 8 × 6 mm              |
| LAPN 1/4UNF | Nipple G 1/4 – 1/4 UNF              | LAPN 10x1   | Nipple G 1/4 - M10 × 1          | LAPT 5000SW | Extra strong flexible tube, 5 000 mm long, 8 × 6 mm |
| LAPN 1/2    | Nipple G 1/4 - G 1/2                | LAPN 12     | Nipple G 1/4 - M12              |             |   |
| LAPN 1/4    | Nipple G 1/4 - G 1/4                | LAPN 12x1.5 | Nipple G 1/4 - M12 × 1.5        |             |   |
|             |                                     | LAPE 50     | Extension 50 mm (G1/4F – G1/4M) |             |   |

#### Spare parts

| Designation  | Description                       |
|--------------|-----------------------------------|
| TLRD 1-RD150 | Empty cartridge (150 ml capacity) |
| TLRD 1-RD250 | Empty cartridge (250 ml capacity) |

[skf.com](http://skf.com) | [skf.com/lubrication](http://skf.com/lubrication) | [skf.com/mapro](http://skf.com/mapro)

© SKF is a registered trademark of AB SKF (publ).

© SKF Group 2023 . All rights reserved. Please note that this publication may not be copied or distributed, in whole or in part, unless prior written permission is granted.

Every care has been taken to ensure the accuracy of the information contained in this publication, but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MP/P8 19745 EN · October 2023