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.

**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

- 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

TLRD 1-FA

**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) |


TLRD 250


TLRD 150

## 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 |
|---|---|
| LAPR 1/4 | Nipple G1/2F – G1/4M |
| LAPR 1/8 | Nipple G1/2F – G1/8M |
| LAPR A1/4 | Angle connection 45°, G1/2F – G1/4M |
| LAPR A1/8 | Angle connection 45°, G1/2F – G1/8M |
| LAPC R1/4 | Support bracket 1/2″ (F) – 1/4″ (M) |
| LAPA 45 | Angle connection 45°, G1/4M |
| LAPA 90 | Angle connection 90°, G1/4M |
| LAPN 1/4UNF | Nipple G 1/4 – 1/4 UNF |
| LAPN 1/2 | Nipple G 1/4 - G 1/2 |
| LAPN 1/4 | Nipple G 1/4 - G 1/4 |

| Designation | Description |
|---|---|
| LAPN 1/8 | Nipple G 1/4 - G 1/8 |
| LAPN 3/8 | Nipple G 1/4 - G 3/8 |
| LAPN 6 | Nipple G 1/4 - M6 |
| LAPN 8 | Nipple G 1/4 - M8 |
| LAPN 8 | Nipple G 1/4 - M8 |
| LAPN 8x1 | Nipple G 1/4 - M8 × 1 |
| LAPN 10 | Nipple G 1/4 - M10 |
| LAPN 10x1 | Nipple G 1/4 - M10 × 1 |
| LAPN 12 | Nipple G 1/4 - M12 |
| LAPN 12x1.5 | Nipple G 1/4 - M12 × 1.5 |
| LAPE 50 | Extension 50 mm (G1/4F – G1/4M) |

| Designation | Description |
|---|---|
| LAPE 35 | Extension 35 mm (G1/4F – G1/4M) |
| LAPF F1/4 | Tube connection female G 1/4 |
| LAPF M1/8 | Tube connection male G 1/8 |
| LAPF M1/4 | Tube connection male G 1/4 |
| LAPF M3/8 | Tube connection male G 3/8 |
| LAPT 1000 | Flexible tube, 1 000 mm long, 8 × 6 mm |
| LAPT 5000 | Flexible tube, 5 000 mm long, 8 × 6 mm |
| LAPT 5000SW | Extra strong flexible tube, 5 000 mm long, 8 × 6 mm |

## Spare parts

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

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