

# SKF SYSTEM 24 – TLSD series

Electro-mechanical single point automatic lubricators





## Electro-mechanical single point automatic lubricators

### SKF TLSD series

The SKF TLSD series is the first choice when a simple and reliable automatic lubricator is required under variable temperatures, or when the application conditions (such as vibration, limited space or hazardous environments) require a remote mounting.

- Filled with SKF Lubricants especially developed for bearing applications
- Temperature independent dispense rate
- Maximum discharge pressure of 5 bar over the whole dispensing period
- Dispense rate available in various settings
- Transparent reservoir allows visual inspection
- Red-yellow-green LEDs indicate the lubricator's status
- Refill sets include battery pack
- Special battery pack available for cold working conditions.
- Supplied with support flange for enhanced sturdiness
- Suitable for both direct and remote installation

#### Typical applications

- Critical applications where extreme reliability and additional monitoring is required
- Applications in restrictive and hazardous locations
- Applications requiring high volumes of lubricant

SKF DialSet helps to calculate the correct dispense rate.

- A** The unit can be programmed to dispense lubricant in 1, 2, 3, 4, 6, 8, 9, 10 and 12 month settings.
- B** The same drive unit can be used with both cartridge versions by simply adjusting the 125/250 ml switch.
- C** Traffic light LEDs are visual from all sides because of the presence of dual LEDs on the sides of the lubricator. The meaning of the lights is as follows:
  - Green light: The lubricator is properly functioning.
  - Yellow light: The lubricator is still functioning, but soon some action will be required. Yellow light serves as a pre-warning light.
  - Red light: The lubricator stopped operating.



## Ordering details

Grease	LGWA 2	LGEM 2	LGHB 2	LGHP 2	LGFP 2	LGWM 2	LGFQ 2
Description	High load, extreme pressure, wide temperature range	High viscosity bearing grease with solid lubricants	High load, high temperature, high viscosity	High performance, high temperature	Food compatible NSF H1 certified	High loads, wide temperature	High load and wide temperature food grade
Complete unit 125	TLSD 125/WA2	TLSD 125/EM2	TLSD 125/HB2	TLSD 125/HP2	TLSD 125/FP2	–	–
Complete unit 250	TLSD 250/WA2	TLSD 250/EM2	TLSD 250/HB2	TLSD 250/HP2	TLSD 250/FP2	–	–
Refill set 125	LGWA 2/SD125	LGEM 2/SD125	LGHB 2/SD125	LGHP 2/SD125	LGFP 2/SD125	LGWM 2/SD125	LGFQ 2/SD125
Refill set 250	LGWA 2/SD250	LGEM 2/SD250	LGHB 2/SD250	LGHP 2/SD250	LGFP 2/SD250	LGWM 2/SD250	LGFQ 2/SD250

  

Chain oils	LHMT 68	LHHT 265	LHFP 150
Description	Medium temperature oil	High temperature oil	Food grade oil (NSF H1)
Complete unit 125	TLSD 125/HMT68	–	–
Complete unit 250	TLSD 250/HMT68	–	–
Refill set 125	LHMT 68/SD125	LHHT 265/SD125	LHFP 150/SD125
Refill set 250	LHMT 68/SD250	LHHT 265/SD250	LHFP 150/SD250

## Technical data

Designation	TLSD 125 and TLSD 250	
Grease capacity	TLSD 125	125 ml (4.2 US fl. oz)
	TLSD 250	250 ml (8.5 US fl. oz)
Emptying time	User adjustable: 1, 2, 3, 4, 6, 8, 9, 10 and 12 months	
Lowest grease purge	TLSD 125	0,3 ml (0.01 US fl. oz) per day
	TLSD 250	0,7 ml (0.02 US fl. oz) per day
Highest grease purge	TLSD 125	4,1 ml (0.13 US fl. oz) per day
	TLSD 250	8,3 ml (0.28 US fl. oz) per day
Ambient temperature range	TLSD 1-BAT	0 to 50 °C (30 to 120 °F)
	TLSD 1-BATC	–10 to +50 °C (15 to 120 °F)
Maximum operating pressure	5 bar (75 psi)	
Drive mechanism	Electro mechanical	
Connection thread	G <sup>1</sup> / <sub>4</sub>	
Maximum feed line length with:	grease	Up to 3 meters (10 ft) <sup>1)</sup>
	oil	Up to 5 meters (16 ft)
LED status indicators	Green led (each 30 sec)	OK
	Yellow led (each 30 sec)	Pre warning, low battery power
Protection class assembled lubricator	Yellow led (each 5 sec)	Pre warning, high back pressure
	Red led (each 5 sec)	Warning, stopped on error
	Red led (each 2 sec)	Warning, empty cartridge
Battery pack	TLSD 1-BAT	4,5 V 2,7 Ah/Alkaline manganese
	TLSD 1-BATC	4,5 V 2,9 Ah/Lithium-Iron Disulfide
Recommended storage temperature	20 °C (70 °F)	
Storage life of lubricator	3 years <sup>2)</sup> (2 years for LGFP 2 and Oils)	
Total weight (incl. packaging)	TLSD 125	635 g (22.5 oz)
	TLSD 250	800 g (28.2 oz)

<sup>1)</sup> The maximum feed line length is dependent on ambient temperature, grease type and back pressure created by the application.

<sup>2)</sup> Maximum storage life is 3 years from production date, which is printed on the side of the canister. The canister and battery pack may be used at 12 month setting even if activated 3 years from production date.



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