

SKF SYSTEM 24 – TLSD series

Electro-mechanical single point automatic lubricators







Electro-mechanical single point automatic lubricators

SKFTI SD series

The SKFTLSD 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
- 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.
- 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.





Complete unit

Ordering details		105143	161100	16110.2	1.050.0	1.050.0
Grease	LGWA 2	LGEM 2	LGHB 2	LGHQ 2	LGFP 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 load and wide temperature food grade
Complete unit 125	TLSD 125/WA2	TLSD 125/EM2	TLSD 125/HB2	TLSD 125/HQ2	TLSD 125/FP2	-
Complete unit 250	TLSD 250/WA2	TLSD 250/EM2	TLSD 250/HB2	TLSD 250/HQ2	TLSD 250/FP2	-
Refill set 125	LGWA 2/SD125	LGEM 2/SD125	LGHB 2/SD125	LGHQ 2/SD125	LGFP 2/SD125	LGFQ 2/SD125
Refill set 250	LGWA 2/SD250	LGEM 2/SD250	LGHB 2/SD250	LGHQ 2/SD250	LGFP 2/SD250	LGFQ 2/SD250
Chain oils		LHMT 68	LHHT	265	LHFP 150	
Chain oils Description		LHMT 68 Medium temperature oil		265 emperature oil	LHFP 150 Food grade oil (N	ISF H1)
						ISF H1)
Description		Medium temperature oil				ISF H1)
Description Complete unit 125		Medium temperature oil TLSD 125/HMT68				·
Description Complete unit 125 Complete unit 250		Medium temperature oil TLSD 125/HMT68 TLSD 250/HMT68	High te - - -		Food grade oil (N - -	25



Refill set

Grease capacity TLSD 125 TLSD 250 125 ml (4.2 US fl. oz) TLSD 250 125 ml (8.5 US fl. oz) TLSD 250 126 months 127 months 128 mon	LED status indicators Green led (each 30 sec) OK	Grease capacity TLSD 125 TLSD 250 TLSD	Technical data	TLSD 125 and TLSD 250		
TLSD 125 125 ml (4.2 US fl. oz) Green led (each 30 sec) OK TLSD 250 250 ml (8.5 US fl. oz) Yellow led (each 30 sec) Pre warning, low battery power Emptying time User adjustable: 1, 2, 3, 4, 6, 8, 9, 10 and 12 months Yellow led (each 5 sec) Pre warning, high back pressure Red led (each 5 sec) Pre warning, high back pressure Warning, stopped on error Red led (each 2 sec) Warning, empty cartridge 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 Protection class assembled lubricator IP 65 Highest grease purge TLSD 1-BAT 4,5 V 2,7 Ah/Alkaline manganese TLSD 125 4,1 ml (0.13 US fl. oz) per day Recommended storage TLSD 250 8,3 ml (0.28 US fl. oz) per day Recommended storage TLSD 1-BAT 0 to 50 °C (30 to 120 °F) Storage life of lubricator 3 years 2) Maximum operating pressure 5 bar (75 psi) Total weight (incl. packaging) TLSD 125 635 g (22.5 oz) TLSD 125 635 g (22.5 oz) Connection thread G ¹ / ₄ Ma	TLSD 125	TLSD 125 125 ml (4.2 US fl. oz) Green led (each 30 sec) OK TLSD 250 250 ml (8.5 US fl. oz) Yellow led (each 30 sec) Pre warning, low battery power Emptying time User adjustable: 1, 2, 3, 4, 6, 8, 9, 10 and 12 months Yellow led (each 5 sec) Pre warning, high back pressure Red led (each 5 sec) Warning, stopped on error Warning, stopped on error Red led (each 2 sec) Warning, empty cartridge Lowest grease purge TLSD 125 0,3 ml (0.01 US fl. oz) per day Protection class assembled lubricator IP 65 Highest grease purge TLSD 125 4,1 ml (0.13 US fl. oz) per day TLSD 1-BAT 4,5 V 2,7 Ah/Alkaline manganese TLSD 125 4,1 ml (0.13 US fl. oz) per day Recommended storage temperature 20 °C (70 °F) TLSD 1-BAT 0 to 50 °C (30 to 120 °F) Storage life of lubricator 3 years 2' (2 years for LGFP 2 and Oils) Drive mechanism Electro mechanical TLSD 125 635 g (22.5 oz) Connection thread G1/4 TLSD 125 635 g (22.5 oz) Maximum feed line length with: grease Up to 3 meters (10 ft) 1)	Designation	1 L DU 1 L D		
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			grease	Up to 3 meters (10 ft) 1)	. 255 250	300 g (20.2 02)

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

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²⁾ 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.