

SKF SYSTEM 24 – TLSD series

Electro-mechanical single point automatic lubricators



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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
- Supplied with support flange for enhanced sturdiness
- Suitable for both direct and remote installation

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- 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		LED status indicators
TLSD 125	125 ml (4.2 US fl. oz)	Green led (each 30 sec)
TLSD 250	250 ml (8.5 US fl. oz)	Yellow led (each 30 sec)
Emptying time	User adjustable: 1, 2, 3, 4, 6, 8, 9, 10 and 12 months	Yellow led (each 5 sec)
Lowest grease purge		Red led (each 5 sec)
TLSD 125	0,3 ml (0.01 US fl. oz) per day	Red led (each 2 sec)
TLSD 250	0,7 ml (0.02 US fl. oz) per day	Protection class assembled lubricator
Highest grease purge		IP 65
TLSD 125	4,1 ml (0.13 US fl. oz) per day	Battery pack
TLSD 250	8,3 ml (0.28 US fl. oz) per day	TLSD 1-BAT
Ambient temperature range		4,5 V 2,7 Ah/Alkaline manganese
TLSD 1-BAT	0 to 50 °C (30 to 120 °F)	Recommended storage temperature
Maximum operating pressure	5 bar (75 psi)	20 °C (70 °F)
Drive mechanism	Electro mechanical	Storage life of lubricator
Connection thread	G ¹ / ₄	3 years ²⁾
Maximum feed line length with:		(2 years for LGFP 2 and Oils)
grease	Up to 3 meters (10 ft) ¹⁾	Total weight (incl. packaging)
oil	Up to 5 meters (16 ft)	TLSD 125
		TLSD 250
		635 g (22.5 oz)
		800 g (28.2 oz)

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

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.



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PUB MP/P8 13744/2 EN - April 2018