

THALIA® - simple yet powerful

Economical turbine with single spray and fixed connection.

Designed for tough, daily use, turbine is light-weight, easy to clean and features extremely high torque.

Lubrication by means of the SO2000 service oil or any other lubrication oil for dental handpieces.

Lastly, turbine is equipped with a non-return valve for spray water.



TECHNICAL DATA

	THERA®L 40SE	THALIA®
Reference:	REF 160.02.02	REF 186.30 (3-hole connection) REF 186.40 (4-hole connection)
Rotation speed:	340000 rpm	355000 rpm
Air pressure:	2.1 ÷ 2.3 bar (30.5 ÷ 33.5 psi)	
Maximum air consumption:	36 NI / min	46 NI / min
Maximum noise level:	58 dBA @2.3 bar	66 dBA @2.3 bar
Spray port:	3-jets	1-jet
Bur type:	with Ø 1.6 mm shank and Type 3 according to ISO 1797, maximum length 25 mm according to ISO 6360-1	
Head size:	Ø 12.0 mm	Ø 12.6 mm
Rotor:	With push-button chuck mechanism	
Ball bearings type:	Ceramic	Ceramic
Lubrication:	By LubriONCE® grease	By SO2000 service oil
Sterilisation:	By autoclave up to 135°C / 2 bar (275°F / 29 psi)	
Weight:	47 g	49 g
Output illumination:	25000 LUX	/
Standard conformity:	ISO 7785-1, CEI EN 60601-1	
Guarantee:	2 years	1 year

	GYROFLEX®LED	REF 316.62
Light source:	High-brightness LED	
Power supply:	3.5 ± 0.2 V	
Standard conformity:	CEI EN 60601-1, ISO 9168	
Guarantee:	1 year	



TURBINES

THERA-L 40SE/Cat. 065UK/2009

CE
0051

CE
0051

CSQ
MED

UNI EN ISO 13485



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● THERA®L 40SE

● GYROFLEX®LED

● THALIA®



SIMPLIFYING DENTAL MOTION

2009
40° Anniversary
1969

TKD has been manufacturing dental dynamic instruments since 1969.

Now, on the occasion of its 40th anniversary, **TKD** is proud to present the **THERA®L 40SE** turbine with **LED** light which simply represents the state-of-art in dental instrumentation.

THERA®L 40SE - special edition with titanium finish

Elegant styling with titanium finish, highly-efficient long-life LED illumination, higher reliability, reduced noise and light weight are but a few of the various features offered by the new **THERA®L 40SE** turbine.



The use of special integral-structure high-precision ceramic ball bearings, together with a perfectly balanced rotor, makes the turbine with superior quietness and reliability.



The cooling spray comes from an improved 3-jet port diffuser. The three separate air/water ducts thus ensure optimal spray action.



GYROFLEX®LED - no more bulbs

The **GYROFLEX®LED** rapid coupling with LED light source, provides for turbine illumination.

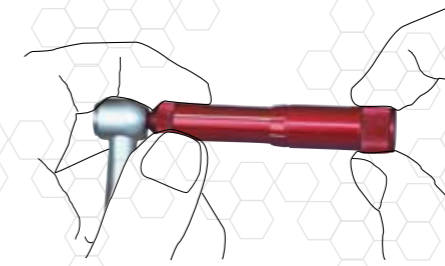
With LED technology you can forget any bulb changing for all the life of the instrument!

The innovative LED technology integrated in the rapid coupling produces a level of brightness never seen before. The emitted white light helps reducing colour distortion with respect to halogen light.

Once coupled to the new **GYROFLEX®LED** rapid coupling, any dental turbine with fiber-optics and Multiflex® connection can immediately get advantage of the new LED technology which, simply and surprisingly, allows daylight quality illumination of the operating area and produces a superior uniform light pattern.

Lastly, rapid coupling is equipped with a non-return valve for spray water.

Multiflex® is a registered trademark of Kaltenbach & Voigt GmbH, Germany.



The special **LubriONCE®** lubrication system provides the best way to ensure optimal turbine performance, ease of application and low-cost maintenance. The special formulation of the grease, which is resistant to the high temperature of sterilization, allows the turbine to be lubricated just **ONCE** a day. The used medical grease is hygienically safe and does not soil. Optionally, turbines can also be lubricated with oil.

