

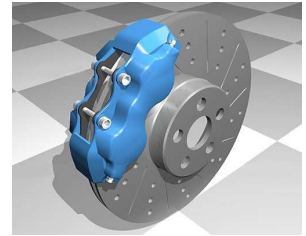


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**High temperature ceramic based lubricant**

HWR-KERAMIKSPRAY is a high performance lubricant for the toughest standards

- ◆ excellent adhesion, withstands highest temperature and pressure,
- ◆ prevents bolts, fittings etc. from early wear and corrosion,
- ◆ lubricates, protects and eliminates running and creaking noises.



HWR-KERAMIKSPRAY is recommended for the assembly and maintenance of

- ◆ braking-systems, specified for ABS-braking systems,
- ◆ exhaust assemblies, catalytic converters with lambda sensors, wheel nuts,
- ◆ bolt connections, as anti-corrosion paste for gears and axles.

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**Characterisation:**

- Appearance:** Grey coloured spray.
- Ingredients:** Preparation from a mixture of mineral oils, aerosol propellants and special additives.  
Free of heavy metals, CFC, CHC and AOX.
- Classification:** Aerosol cans are extremely flammable due to the aerosol propellant. The content of the aerosol-can may not directly attain into waters or the environment, because long-term adverse effects may be caused.
- Application:** Shake well before use. Clean areas to be treated (e.g. brake pads on the back side, installation surfaces, mounting parts etc.) with TB 2000 (art. 5300) and apply evenly onto the parts to be lubricated. Do not spray directly on brake discs or brake friction lining!
- Technical data:** Temperature resistant from  $-40^{\circ}\text{C}$  up to  $+1400^{\circ}\text{C}$   
Four Ball Test, welding load: 3800 / 4000 N (DIN 51350/4)  
Press-Fit-Test, coefficient of friction 0.08  
Vibration-friction wear and tear frequency (450N, 1000  $\mu\text{m}$ , 50 Hz, 2h)  
Coefficient of friction 0.10-0.13, wear depth 0.3  $\mu\text{m}$   
Friction coefficient of threads 0.10 (DIN 946)  
Salt fog test >500h (DIN50021)  
Water resistance 1-90 (DIN 5180)

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This product data sheet has been created according to the most current standard of technology.  
We do however not guarantee for correctness and completeness.  
No liability for damages due to improper application.

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