

# New tools for the machining of aluminium cylinder bores

The general trend of replacing steel by aluminium in the vehicle manufacturing sector has recently also become accepted in engine manufacture for passenger cars. Nowadays, more than 50% of petrol-driven vehicles are already supplied with engines with engine blocks made of aluminium. As a result, the world-wide need for professional reconditioning of aluminium engine blocks is increasing. Motor Service have focused on this topic and, together with KS Aluminium-Technologie AG, the leading manufacturer of aluminium

engine blocks in the premium segment, have developed machining techniques and tools that can be used by every engine reconditioner for reconditioning aluminium engine blocks with up-to-date machining quality almost achieving series standards.

The newly developed KS honing stones and exposing strips necessary for this process are now exclusively available in the Motor Service product range.

The entire knowhow for machining, tool requirements, machining parameters and the repair material required for this are described in detail and summarised in the newly published "Reconditioning of Aluminium Engine Blocks" in the series Service Tips & Information. The reader is provided both with information about current machining techniques and about modern engine block series production including their diverse design types and sliding surface technologies.

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|  | <b>Ordering information</b><br><br><b>KS diamond honing stone</b><br>KS diamond honing stone with plastic bonded abrasive grains made of synthetic diamond 3 mm reinforced metal bed<br>Package content: 2 honing stones<br>Size: 80 mm x 5 mm x 6 mm                          | <b>KS No.</b><br><br><b>50 009 908</b>    |
|  | <b>Ordering information</b><br><br><b>KS silicon exposing stones</b><br>KS silicon exposing stones made of highly porous synthetic resin base material with ceramic abrasive grains made of pure corundum<br>Package content: 2 exposing strips<br>Size: 80 mm x 10 mm x 10 mm | <b>KS No.</b><br><br><b>50 009 909</b>    |
|  | <b>Ordering information</b><br><br><b>Brochure</b><br>Reconditioning of Aluminium Engine Blocks in the Service Tips & Information series<br>Contains 100 pages, softcover book<br>Language: english                                                                            | <b>KS No.</b><br><br><b>50 003 804-02</b> |

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