



PI 2140

For technical personnel only!

1/1

# PRODUCT INFORMATION

## VISUAL CHANGE TO PISTON CROWNS

### NEW ANODISING PROCESS INTRODUCED

For many aluminium pistons, anodising is an important process to optimise quality and performance. It is an electrochemical process in which a protective oxide layer is applied to metal surfaces, improving their hardness and wear resistance. This additional manufacturing process increases the hardness by a factor of 3.5 in a localised area. This higher hardness is desirable in the first piston ring groove in particular and is intended to protect against micro-welding there.

Fig. 1 shows a fully anodised piston crown. Fig. 2 shows the enhanced anodising process that enables the anodising to be targeted at the first piston ring groove.

Targeting the anodising at the first piston ring groove helps to conserve resources. From a technical perspective, all the advantages of the product remain unchanged. The change is merely visual and does not affect the product's durability or quality.

#### NOTE

Both versions can be installed together without any problems. All the product's advantages and its performance remain unchanged.



Fig. 1: Piston with fully anodised piston crown



Fig. 2: Piston with anodised piston ring groove