

# Design Enhancement

## SMB100

equivalent to: OEM: M069018, CEI: 4000057,  
EKU: 75301, EMMERRE: 960363, Peters: 186.100-00,  
Winnard: SMB1002, Zimmermann: 520.100.00

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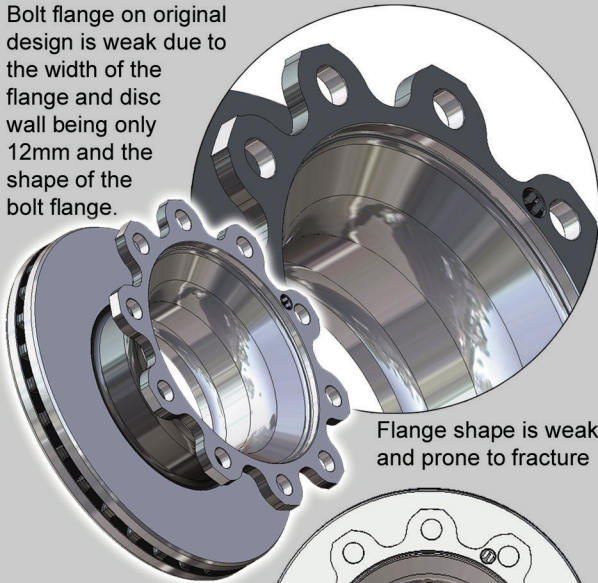
## SMB102

Latest Design  
Equivalent to OEM: M200135

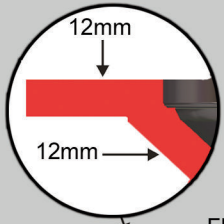
SMB (CRANE FRUEHAUF): DI axle, HI axle, KI axle, PAN22, PAN22-1, SB7000

### Old Design (SMB100)

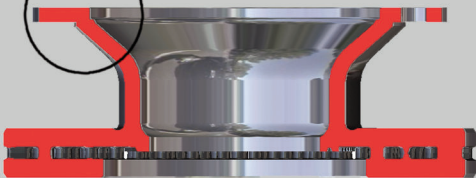
Bolt flange on original design is weak due to the width of the flange and disc wall being only 12mm and the shape of the bolt flange.



Flange shape is weak and prone to fracture



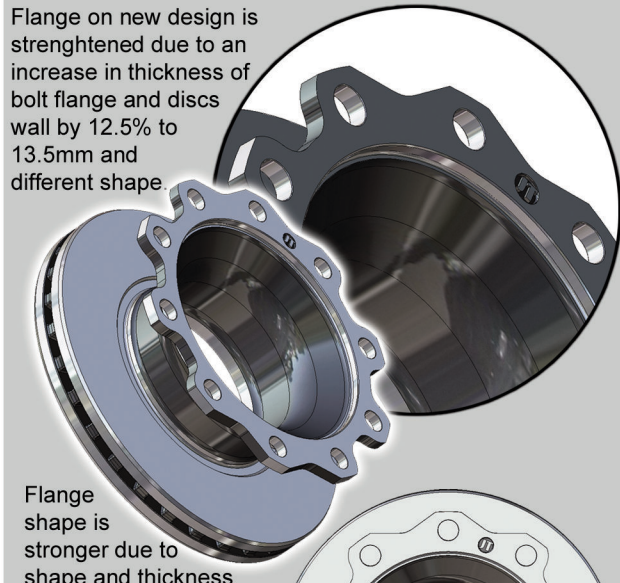
Flange and disc wall thickness only 12mm



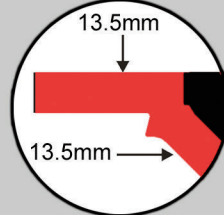
The old profile had a weak flange that was prone to fracture leading to possible failure around the bolt hole lugs.

### New Design (SMB102)

Flange on new design is strengthened due to an increase in thickness of bolt flange and disc wall by 12.5% to 13.5mm and different shape.



Flange shape is stronger due to shape and thickness being increased.



Flange and disc wall thickness increased to 13.5mm



The new disc has a strengthened flange design to avoid cracking around the bolt hole lugs.



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