

## Permitted Surface Pressure

Semperit Bull Wheel Liners fulfill high quality standards concerning surface pressure

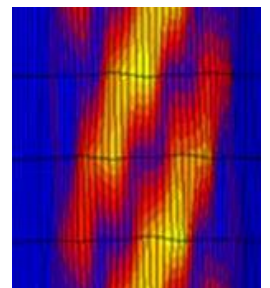
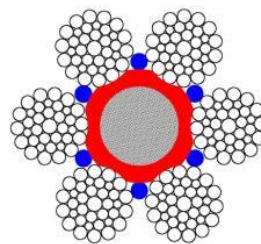
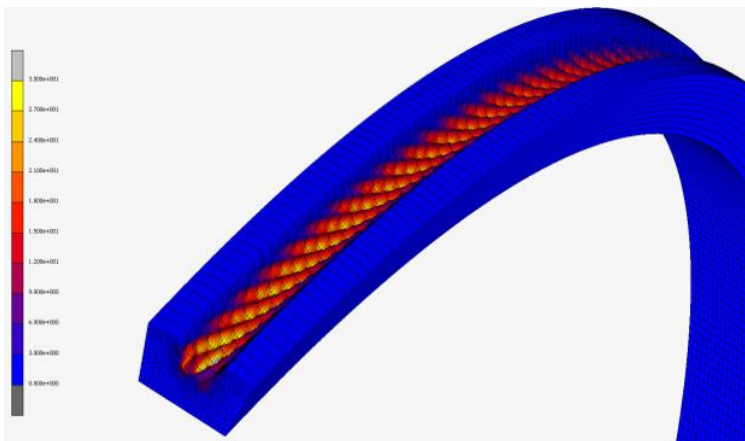
Semperit Bull Wheel Liners have been tested and approved at a maximum contact pressure of 6 N/mm<sup>2</sup>. For static deflection bullies the approved maximum contact pressure is 9 N/mm<sup>2</sup>

### Formula:

$$\sigma = \frac{3 \cdot S}{D \cdot d} \leq 6 \text{ N/mm}^2$$

S ... Rope Force [N]  
 D ... Bull wheel diameter [mm]  
 d ... Rope diameter [mm]

Semperit simulates the deformation as a function of the applied force by use of “State of the Art” Finite Elements (FE) simulation software.



All specifications, numbers, calculations, test values, and data mentioned here – which are the basis for our customer consultation – are in accordance with the latest engineering standards. As the operating conditions have an influence on product application, this information can only be used as a rough guideline. It is the sole responsibility of the customer to check the application conditions of each individual case, and whether the specified quality criteria of our products are adequate for the intended purpose. Improper use, excessive loading, or exposure to impermissible media can impair the product's function. Our experts will be happy to answer any questions you might have. Text and pictures, etc. remain in the ownership of Semperit Technische Produkte Gesellschaft m.b.H. The pictures and graphics shown are only representative images. No liability is accepted for mistakes or printing errors and data is subject to change at any time. Copying and distribution in any form whatsoever, in whole or in part, only with the express written consent of Semperit. Copyright © Semperform. 2018. All rights reserved.

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