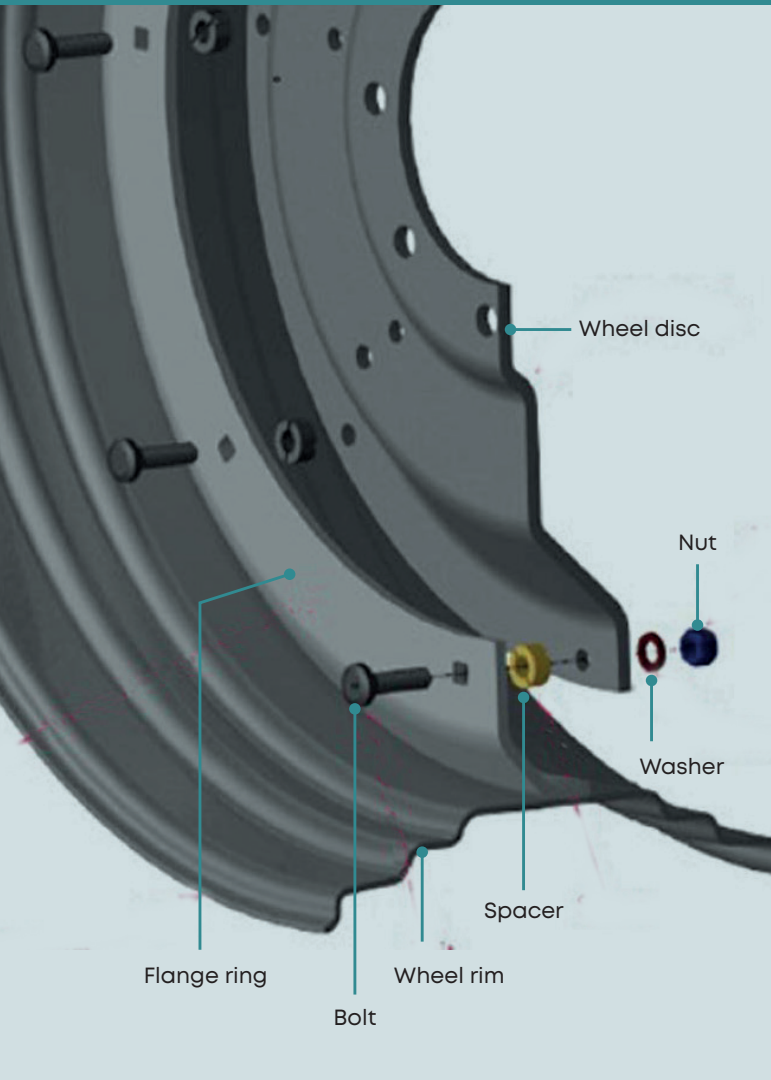


## Data Sheet

# Profi-Flex<sup>HS</sup> addresses run-out that can occur on manually adjustable track wheels at high speeds.



# Profi-Flex<sup>HS</sup>

moveero

moveero patented Profi-Flex HS wheel is designed to address the issues of run-out that can occur on manually adjustable track wheels when used on high speed applications.

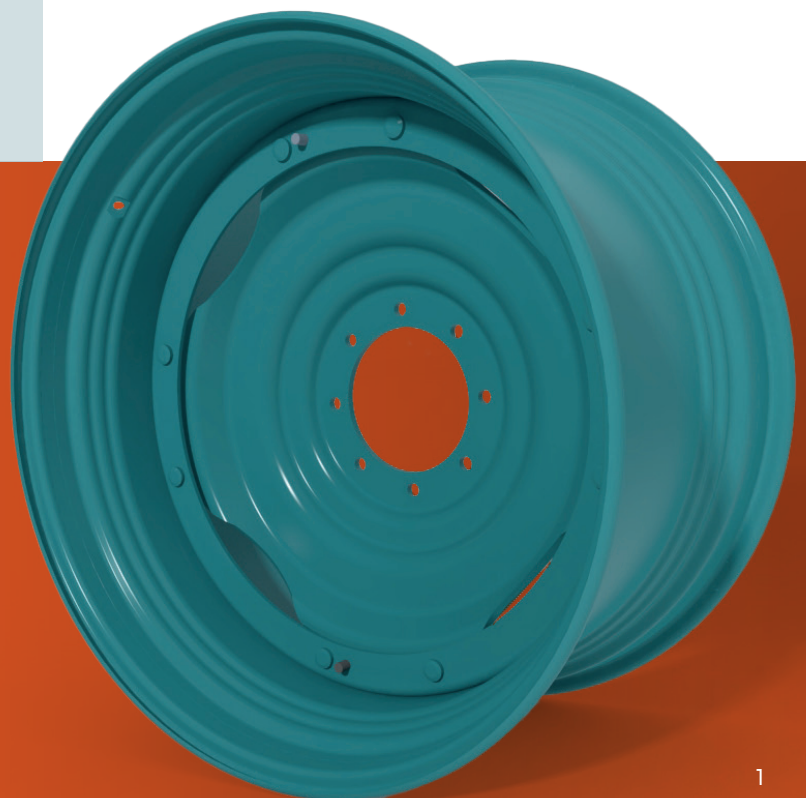
The standard for tractors that are approved for speeds of 50km/h and above, requires high spot marking of the wheel and low spot marking of the tyres, minimising run-out and optimising ride comfort and performance. However to suit different operational requirements, manually-adjustable wheels enable the disc to be moved to change the track settings, and in these circumstances it is vital that when it is refitted, the disc isn't rotated and the alignment isn't altered.

To address this issue, moveero has designed a new wheel which incorporates integrated centring pins in the spacers, guaranteeing that the disc and rim are correctly re-aligned when wheel track settings are being changed. This unique solution uses a single alignment pin which ensures that the disc has to be re-fitted in the correct position when the track spacing has been changed.

A continuously welded flange ring joins the bolted centre disc to the wheel rim. This constant cross section flange ring ensures an even distribution of load between the wheel rim and the disc, an essential requirement to minimise stresses in critical bolted and welded joints.

## Highlights

- Patented design solution
- A solution for high speed adjustable tractor wheels that is 'simple' without risk of wrong assembly or parts 'getting lost'
- Up to 500HP vehicle
- Up to 60 km/h
- Ready for dual wheel usage
- 16 different offsets to work in different row widths
- Manual adjustment of a tractor's track settings can be completed efficiently and accurately, every time.
- Improved ride quality, comfort-levels and tractor performance

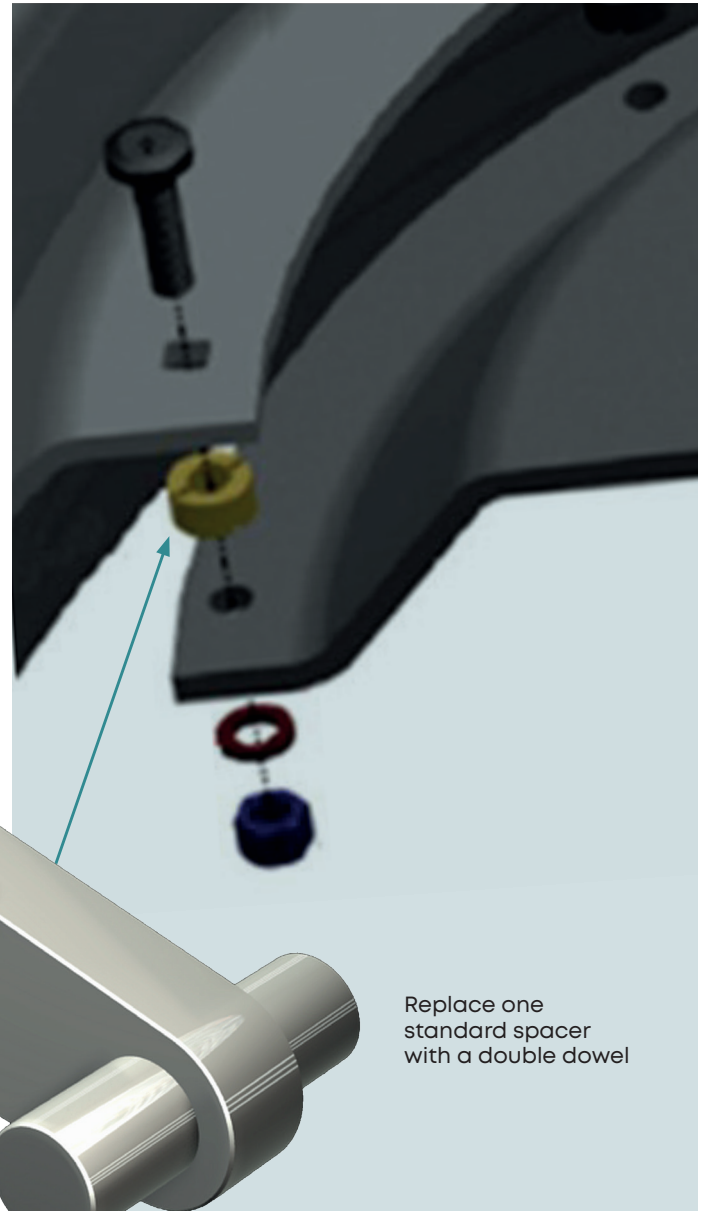


moveero Product Manager, Ole Dall, said: “With tractor speeds constantly increasing, the issue of run-out, or “wheel wobble”, becomes ever more important, as the faster the tractor’s speed, the more pronounced the issue becomes.

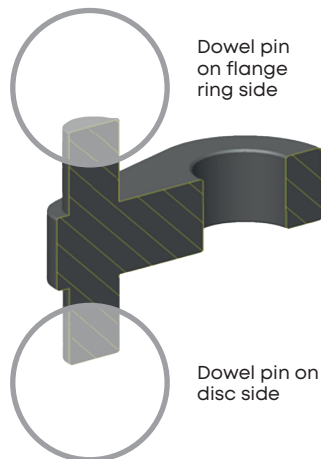
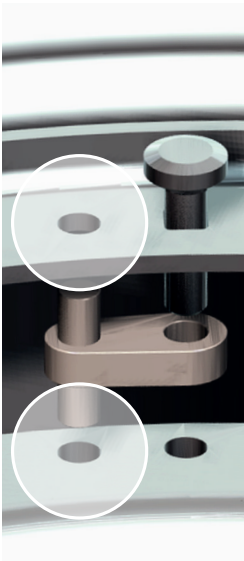
Our new Profi-Flex<sup>HS</sup> wheel addresses this problem, ensuring that whenever the track setting is changed, the disc is always replaced in the correct alignment with the wheel and that the correct tolerances are maintained.

Having seen other systems in the market where the centering feature is an extra component that can easily get lost, in the development work on this new, patented design. Our engineers had a target to develop a ‘Poka Yoke’ solution, to ensure that the wheel cannot be assembled incorrectly.”

“Our solution is simple and straightforward, ensuring that the manual adjustment of a tractor’s track settings can be completed efficiently and accurately, every time. As a result, the ride quality, comfort-levels and tractor performance will all be maintained at the highest levels.”



Replace one standard spacer with a double dowel



For more information or to discuss your own specific requirements, contact us on [sales@moveero.com](mailto:sales@moveero.com)

Further information about Profi-Flex<sup>HS</sup> and our other products can be found at [www.moveero.com](http://www.moveero.com)