

moveero

evolving every day



Revolutionizing the way
you think about wheels

Industry leading manufacturer of Off Highway Wheels

Weight saving, increased efficiency, durability, higher payload or machine uptime – whatever your primary need, we have wheel solutions that are right for you.

moveero offers a full-service support across the globe, from design, and validation to manufacture, through to comprehensive in-house and in-field testing.

Previously known as GKN Wheels, our long-standing heritage, industry leading expertise and commitment to delivering safe and efficient solutions to customers worldwide, drives our ambition to remain the supplier of choice for off-highway wheels.

Customers first

Our experienced engineers work closely with OEM's and operators to understand the challenges they face, enabling us to develop solutions to meet load and torque requirements.

Our proven and tested wheel range spans single and multi-piece wheels, capable of reliably operating in the harshest of environments and development to meet the demands of higher payloads and productivity, for agricultural, construction, material handling, forestry, mining industries.



We continually seek to expand our engineering knowledge and expertise. Our broad product portfolio of wheels has been developed to meet the industry's demand for increased productivity, higher payloads, increased speeds, and tire efficiency – as well as driver safety, comfort, machine uptime and low maintenance being priorities.

With manufacturing facilities located in the USA and Denmark moveero has a global presence, with a local service team to work with customers directly.

Design, Development and Testing



Working closely with Original Equipment Manufacturer and tire partners, our R&D teams are developing products that enhance performance and provide solutions.

We have total engineering capability to offer research, design, simulation and validation, and continual investment in both laboratory and field-testing equipment to enable us to stay at the forefront of off-highway wheel development. At moveero, we have some of the most advanced purpose-built, electronically controlled systems in the industry and use leading design methodologies including computer simulations and Finite Element Analysis, all of which is backed by extensive testing, both in-house and in the field.

moveero has two purpose-built Design, Development and Test Centers, one in Europe and one in North America. This is where we validate and rigorously test new designs and product improvements.

Understanding your requirements

Before any product design is undertaken, we commission a thorough and comprehensive study of both customer, machine requirements, challenges and desired outcomes. Advanced analytical models are created to enable us to develop high quality solutions in the virtual world, before committing to the manufacture of any parts. Finite Element Analysis (FEA), fatigue analysis and section tests are supported by a comprehensive materials database and used to develop durable and reliable products that meet the efficiency requirements of our customers.

Design & development is frequently undertaken in close liaison with leading tire partners to ensure product compatibility and compliance with relevant regulatory standards (T&RA, ETRTO & JATMA).

Wheel testing

Working with customers, we undertake tests in a real-world environment, using our sophisticated test equipment at one of our research & development centers. We can test both wheels and hubs, to simulate virtually all potential operating conditions, providing accurate performance data, which is not only invaluable to customers, but also provide data to our manufacturing plants for future improvements and investment plans.

Our research & development centers offer:

- FEA modeling & simulations.
- Life expectancy/fatigue analysis.
- Disc and rim fatigue testing.
- Field testing & data acquisition.
- Experienced engineering team to support you through every stage of the design and test process.

Sustainability and the environment

As product designs evolve, our engineers are always looking to offer solutions that perform better than their predecessor: more lightweight, more efficient & durable or made with less material, consuming less energy or generating less waste. Our approach to design & manufacture ensures that we, and our customers limit the impact we have on the environment and our local communities.

New technology, providing solutions

At moveero we are always looking for opportunities to think differently, and bring new solutions to off-highway machinery. Our patented designs and solutions add value and bring benefits to Original Equipment Manufacturer, machine contractor and end user and are fully backed by our service offering.



Solutions for agriculture and forestry

- Profi-Fit – for easier tire fitting.
- Profi-Grip – eliminates tire to rim slippage.
- Profi-Max – our highest performing flotation wheel, designed to work with next generation tires.
- Profi-Flex & Profi-Flex^{HS} – adjustable wheels for optimized yield and comfort at higher speeds.
- Profi-Lite – optimized disc design to reduce weight.
- Profi-Tuff – maximize traction, minimizing tire slippage and providing optimum strength.
- Profi-Hub – light weight, with improved performance and easier maintenance.

Solutions for construction, mining and material handling

- Infini-Forge – providing increased strength – increased life.
- 3 and 5 piece – heavy duty & lightweight, robust designs.

Our broad product portfolio of wheels has been developed to meet the industry's demand for productivity, higher payloads and efficiency – together with driver safety, comfort, machine uptime and low maintenance being a priority.



Delivering the best solutions today; developing innovative technologies for tomorrow. The industry leading Profi-Fit (TW) rim design.

Our core values underpin every aspect of our business

- Delivering engineering solutions to add value and innovation at every opportunity.
- Delivering flexibility and managing complexity.
- Conducting business with integrity.

With a global footprint and a local presence, we are committed to meeting our customer's evolving needs. By continuing to invest in our global operations, we are able to work with and deliver the very best technological solutions, for the worlds essential industries.

Profi-Fit (TW) – 4.7mm (0.185") thick

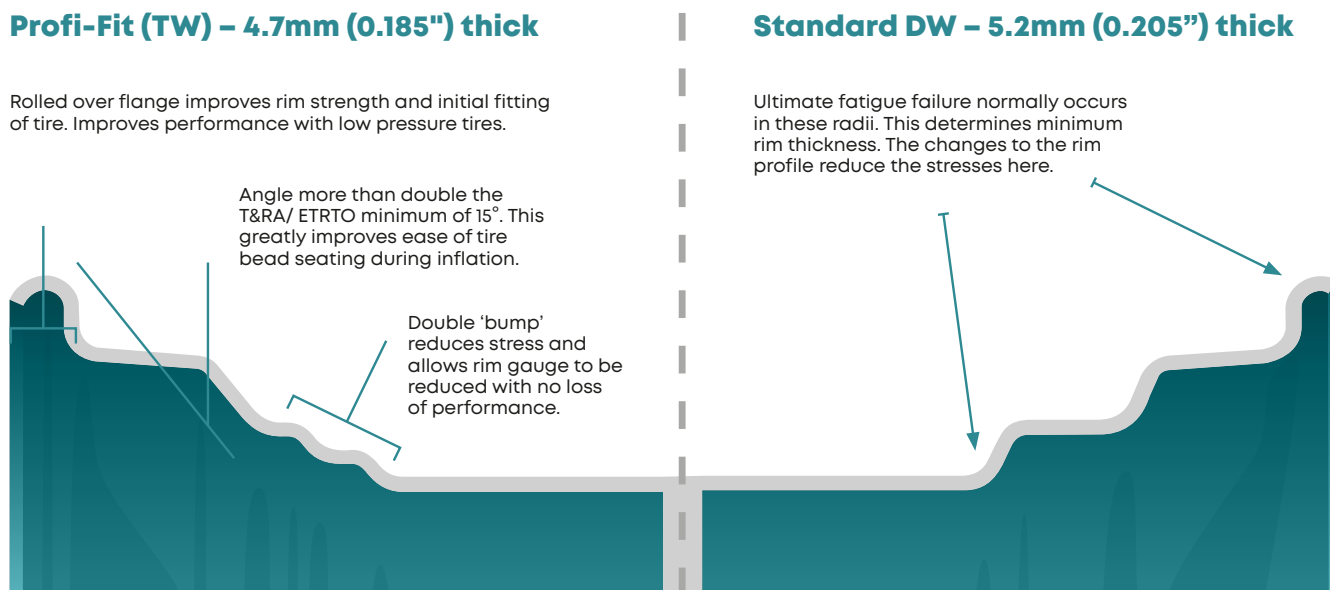
Rolled over flange improves rim strength and initial fitting of tire. Improves performance with low pressure tires.

Angle more than double the T&RA/ ETRTO minimum of 15°. This greatly improves ease of tire bead seating during inflation.

Double 'bump' reduces stress and allows rim gauge to be reduced with no loss of performance.

Standard DW – 5.2mm (0.205") thick

Ultimate fatigue failure normally occurs in these radii. This determines minimum rim thickness. The changes to the rim profile reduce the stresses here.



Profi-Fit

moveero



Easier tire fitting

- The perfect solution for low-pressure agricultural tire applications.
- Weight optimization and durability minimizes the risk of soil compaction.
- Improved rim strength ensures easy tire fitting.
- Designed to control runout.
- Profi-Fit is designated as a TW rim, according to TRA, ETRTO & ISO standards



Designed by our in-house engineers, the Profi-Fit wheel combines durability with reduced weight and easier tire fitting, bringing benefits to both original equipment manufacturers and in-field end users.

Our patented Profi-Fit wheel is the perfect solution for low-pressure agricultural tire applications, combining durability with reduced weight and easier tire fitting. Used extensively to minimize the risk of soil compaction, low-pressure tires typically have stiffer walls, making them more difficult to fit.

However, Profi-Fit was specifically designed to address this problem, with its rolled-over flange improving rim strength and minimizing the risk of tire damage during installation.

The unique angled section, more than double the ETRTO/T&RA minimum of 15 degrees, greatly improves the ease of tire bead seating during inflation and allows tires to be fitted to pressures below 2 bar.

The wheel incorporates a unique 'double bump' radius design at a critical point where traditional rims are susceptible to ultimate fatigue failure reducing stress, whilst maintaining strength and performance. The lower wheel weight in turn, reduces vehicle group pressure and contributes to savings in fuel consumption and carbon emissions.

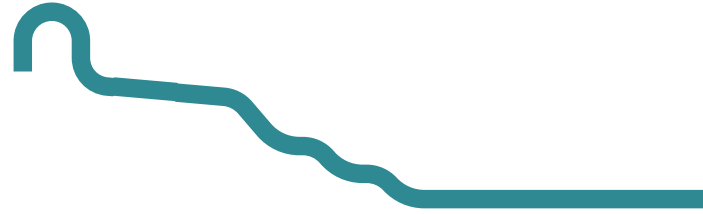
A patented design

- Eliminates problems with mounting of stiff tires for high loading capacity.
- Allows for faster tire mounting.
- Designed for use with low pressure during tire inflation which increases safety.
- Reduced weight.
- Rollover flange improves strength and minimizes tire damage during fitting.

Typical applications for a Profi-Fit rim include combines, self-propelled forage harvesters and tractors.

Profi-Grip

moveero



Eliminating tire slippage

- Innovative design solution.
- Eliminates the risk of tire slippage.
- Easier fitting of high load capacity tires.
- Enhanced durability.
- Strong flange design minimizes rim shrinkage and protects the tire when used at low pressure.
- Improved contact pressure between the tire and rim.



Tire slippage has become increasingly problematic over recent years. The combination of larger tractors, increased horsepower, larger implement machinery, low inflation pressure with Central Tire Inflation systems (CTIS), and heavy loads is causing tire slippage.

Tire manufacturers are developing tires to run at a low inflation pressure to maximize the 'footprint' and the transfer of power from the tractor to the soil.

moveero's Profi-Grip rim feature a unique profile, developed to eliminate tire-to-rim slippage. Featuring a strong flange which both minimizes rim shrinkage, and serves to protect the tire when used at low pressure, the Profi-Grip wheel also incorporates our patented Profi-Fit TW design, which allows high-load capacity tires, with very stiff side walls, to be mounted easily and with no risk of tire damage.

Designed to ETRTO and T&RA standards and launched to meet the growing demand from ever-larger and more-powerful tractors, the Profi-Grip wheel has been developed to deliver significantly improved contact pressure between the tire and rim – which not only eliminates slippage but also makes the fitting of high-load capacity tires faster and safer, it also provides enhanced durability.

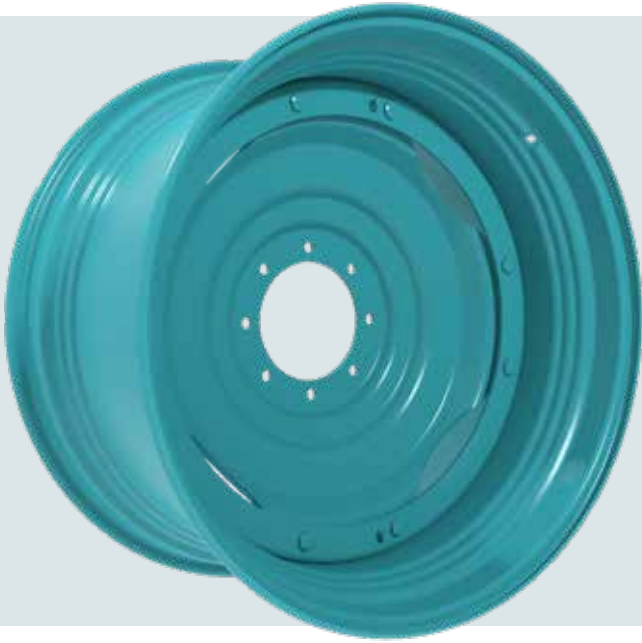
Profi-Grip delivers benefits in wet conditions during the winter, but equally has proved its value during the dry conditions of the summer months experienced in some regions – where the issues of traction and tire slippage are equally problematic.

- Profi-Grip utilizes the patented Profi-Fit (TW) rim design which allows for faster tire mounting.
- Ideal for IF and VF low pressure tires.
- Improved flange design improves rim stiffness and enhances durability.



Profi-Flex

moveero



Track adjustment to optimize yield and comfort at high speeds

- Continuously welded flange ring joins the bolted center disc to the wheel rim.
- Increased bolt stretch.
- 16 offset positions, 15mm between each.
- Can operate at speeds of up to 50kph/30mph and available with moveero's patented TW Profi-Fit rim profile.
- Standard wheel designs allows up to as much as 260hp.
- Rack position moves to optimize the greatest yield on crops.
- High performance life and low fatigue due to structurally efficient joint structure.

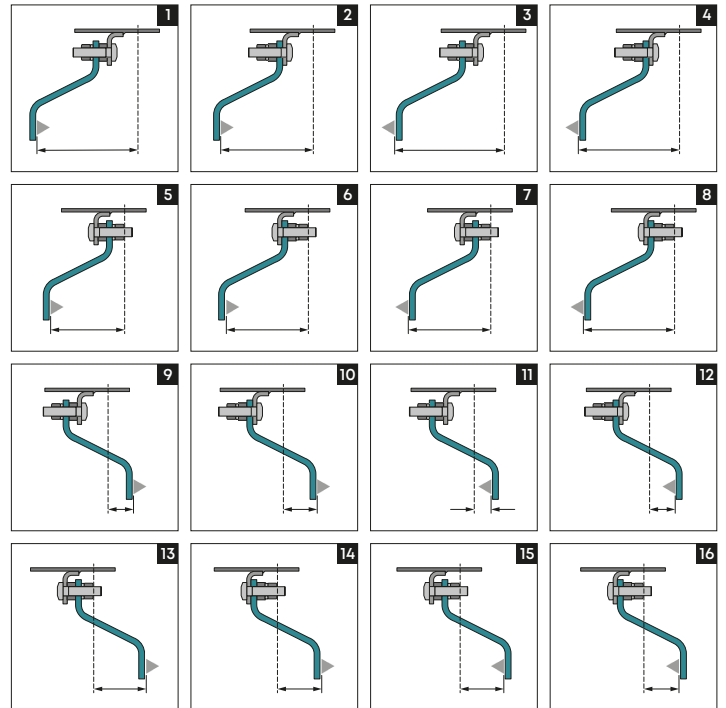


The Profi-Flex wheel is moveero's manually adjustable variable track wheel and a well-proven industry standard. The Profi-Flex wheel features 16 different track positions, more than others in the market, with 15mm between, resulting in accurate and precise

positioning when planting varying crops or moving on-road, from field to field.

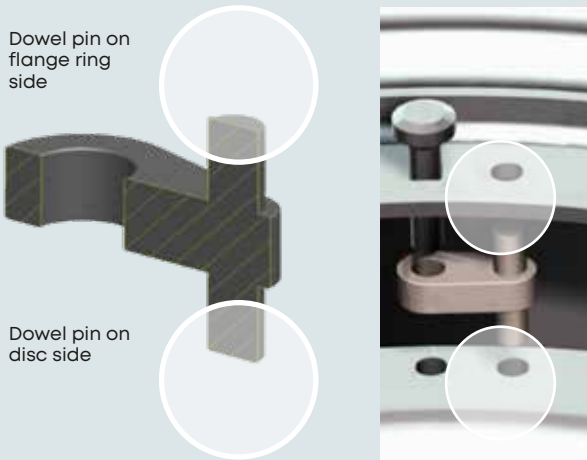
The variable width also lends itself to situations where more steering ability or traction may be required.

The component tolerances have been developed to allow all adjustable track wheels to be suitable for operations at speeds of up to 50kph/30mph.



Profi-Flex^{HS}

moveero



- Designed to address the issues of run-out that can occur on manually adjustable track wheels.
- The 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.
- The spacer with dowel pins is an integral part of the wheel and cannot be lost due to vibrations or left behind during the disc position change operation.
- Suitable for speeds up to 60kph/37mph and 500hp.



An evolution of the tried and tested Profi-Flex wheel is the patented, high-speed Profi-Flex HS

A key trend within the agricultural industry in recent years has been the move towards bigger farms, meaning tractors spend more time on the

road with a need to travel faster. The increasing speeds means that the issue of run-out or 'wheel wobble', becomes ever more important. The faster the tractor's speed, the more pronounced the issue becomes.

moveero provides a solution to address the issue of run-out that can occur on manually adjustable track – Profi-Flex – wheels when used on these high speed applications. Profi-Flex^{HS} wheel addresses this problem.

The standard for tractors that are approved for speeds of 50kph/30mph and above requires high spot marking of the wheel and low spot marking of the tires, to ensure the tire

is positioned accurately, thereby minimizing run-out and so optimizing ride comfort and performance. 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, as this could have a significant impact on run-out.

The solution – incorporates integrated centering 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 and the correct tolerances are maintained.

The Profi-Flex^{HS} solution is simple and straightforward, ensuring that the manual adjustment of a tractor's track settings can be completed efficiently and accurately, every time.

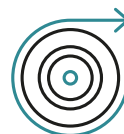
The result = ride quality, comfort-levels and tractor performance are maintained at the highest levels.



Unique selling proposition segment and brand matrix



Easier & faster
tire mounting



Reduction of
tire slippage



Soil protection



Light weight
design rim
and/or disc

Agriculture

Tractors >250hp	Profi-Fit	Profi-Grip	–	–
Standard tractors <250hp	Profi-Fit	–	–	–
Combines	Profi-Fit	Profi-Grip	Profi-Fit	Profi-Fit
Sprayers	Profi-Fit	Profi-Grip	Profi-Fit	Profi-Fit
Implements	Profi-Line Profi-Max	Profi-Max	Profi-Line Profi-Max	Profi-Line Profi-Max
Self-propelled forage harvester	Profi-Fit	Profi-Grip	Profi-Fit	Profi-Fit

Forestry

Standard single piece	–	Profi-Tuff	–	–
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Construction

Single piece light construction (skidsteer loaders, telehandlers, backhoe-loaders, compact wheel loaders)	Infini-Fit	–	–	–
Multi Piece heavy construction (articulated dump-trucks, wheel loaders, motor-graders, road pavers)	–	–	–	–

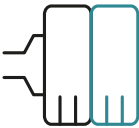
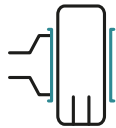
Material Handling

Multi piece container handling and stackers	–	–	–	–
Multi piece mobile cranes	–	–	–	–
Fork lift truck	–	–	–	–

Mining

Underground <=33 inch	–	–	–	–
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		 Higher payload				
Dual wheel eligibility	Full service engineering & R&D support	Durability, improved strength	Tire protection (larger flanges)	Double the lifetime as standard	Suitable for speed	Adjustable (track setting)
Profi-Fit Profi-Grip Profi-Flex	All product ranges	Profi-Fit Profi-Grip	Profi-Fit Profi-Grip Profi-Flex	Profi-Fit Profi-Flex Profi-Flex ^{HS} Profi-Grip	Profi-Fit Profi-Grip Profi-Flex ^{HS}	Profi-Flex ^{HS}
Profi-Fit Profi-Flex	All product ranges	Profi-Fit	Profi-Fit Profi-Flex	Profi-Fit Profi-Flex Profi-Flex ^{HS} Profi-Grip	Profi-Fit Profi-Grip Profi-Flex ^{HS}	Profi-Flex ^{HS}
Profi-Fit	All product ranges	Profi-Fit Profi-Grip	Profi-Fit	Profi-Fit Profi-Grip	–	–
–	All product ranges	Profi-Fit Profi-Grip	Profi-Fit	Profi-Fit Profi-Flex Profi-Flex ^{HS} Profi-Grip	Profi-Fit Profi-Grip Profi-Flex ^{HS}	Profi-Flex ^{HS}
Profi-Max	All product ranges	Profi-Line Profi-Max	Profi-Line Profi-Max	Profi-Max	Profi-Line+ Profi-Max	–
–	All product ranges	Profi-Fit Profi-Grip	Profi-Fit	Profi-Fit Profi-Flex Profi-Flex ^{HS} Profi-Grip	Profi-Fit Profi-Grip Profi-Flex ^{HS}	–
–	All product ranges	Profi-Tuff	Profi-Tuff	Profi-Tuff	–	–
–	All product ranges	Profi-Fit	–	Profi-Fit Infini-Fit	–	–
–	All product ranges	–	–	–	–	–
Standard multi-piece Infini-Forge	All product ranges	Infini-Forge	Standard multi-piece Infini-Forge	Infini-Forge	–	–
–	All product ranges	–	–	–	–	–
–	All product ranges	–	–	–	–	–
–	All product ranges	Infini-Forge	–	Infini-Forge	–	–



USA rim product range

RIM DIAMETER

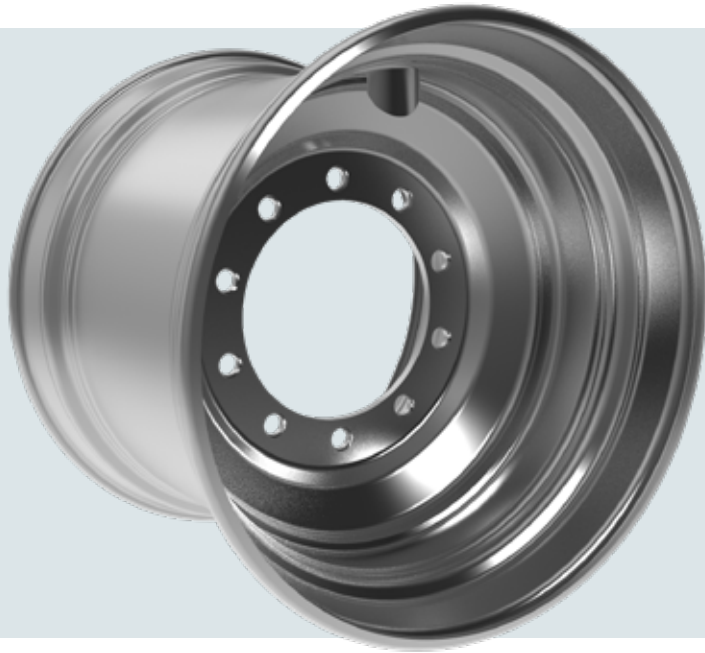
	4.5	5	5.5	6	6.75	7	8	8.25	8.5	9	9.75	10	10.5	11	11.75	12	12.25	13
12		JA				JA			JA				JA					
14		KB		KB		KB	KB											
15	KB	KB				JA	LB					LB						LB
16				K LB			W					W				W		
16.1														W-C				
16.5								15°			15°			15°		15°		
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18																		
19.5					15°			15°									15°	
20			F											W				
22.5								15°							15°		15°	15°
24							W			GR		W				W		
24.5								15°										
25																		LR
26																		
28												W		GR		GR W		
29																		
30																DW		
32																		
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34																DW		
35																		
38												W				DW W		W
42												W				W		TW
46												W				TW W		TW W
50												W		TW				TW W
	4.5	5	5.5	6	6.75	7	8	8.25	8.5	9	9.75	10	10.5	11	11.75	12	12.25	13

capability matrix

RIM WIDTH																			RIM DIAMETER
13.5	14	15	16	17	18	19.5	20	21	22	23	24	25	26	27	28	30	32	36	
																			12
																			14
																			15
																			16
	W-C		W-C		W-C														16.1
																			16.5
																			17
																			17.5
																			18
																			19.5
	W																		20
15°			15°				15°				15°								22.5
		W	DW		DW														24
																			24.5
	3PC			3PC		3PC			3PC			3PC 5PC				3PC	3PC	3PC	25
			DW				DW					DW							26
		W			DW														28
											5PC	5PC		5PC					29
		TW	TW				TW			TW									30
								DW							DW DH				32
																5PC*			33
		TW																	34
												5PC							35
	TW	TW W	W		DW					DW MW		MW		DW MW		TW 2027			38
			W		DW		DW			DW		DW		DW		DW			42
			W				TW					TW		TW		TW			46
		W	TW																50
13.5	14	15	16	17	18	19.5	20	21	22	23	24	25	26	27	28	30	32	36	
RIM WIDTH																			

Profi-Max

moveero



Profi-Max provides the ideal solution for challenging applications and the next generation of tires



Profi-Max, our highest performing flotation wheel ever

With the need for tractors and trailers to carry ever-greater loads and work for long hours, today's heavy-duty trailers require high performance wheels; Profi-Max provides the ideal solution for challenging applications and the next generation of tires.

Profi-Max wheel is the next generation offering for flotation wheels in the field. Developed and tested to provide higher load capacity, higher operating speeds and longer life, Profi-Max is the next generation offering for flotation wheels in the field and delivers a number of operational and performance advantages:

- New loading capacities.
- Improved manufacturing and welding processes for higher load discs and to ensure the highest quality.
- Provide greater tire protection and in-field stability.
- Designed and tested to handle heavier loads and higher speeds – now available up to 80 km/h and high spot marked.
- Also available on request for speeds up to 100 km/h.
- Optimized for CT/VF tires, with a wider bead seat.
- Longer Warranty – Now 5 year.

Highlights

- Higher load capacity + 20% in comparison with the previous.
- Lifetime over five times longer.
- High-strength steel enabled re-design, giving 10% reduction in weight with no loss of performance.
- Designed to offer 40% reduction of stress in key rim areas.
- C5 classification paint system, suitable for aggressive environments, providing salt spray test up to >1400h.
- Wide flange design offers protection for advanced tire technology.
- Available with valve guards.
- Optional – Connection to Central Tire Inflation System (CTIS).

Profi-Max meets the very specific requirements of heavy duty, high load-bearing flotation tires, which may be subject to sustained periods of intensive use, and have been developed to provide increased load capacity, higher operating speeds and longer life.

With a wider bead area and symmetrical rim, Profi-Max from moveero offers an increase in fatigue life and loading capacity to meet the strongest tires in the market.

Sprayer wheels



The latest patented design from moveero for sprayer and combine machinery.

The Sprayer Wheel has been designed for the most demanding of agricultural field applications and is capable of operating with extreme loads and at high operating speeds. It is intended for use on row crop sprayers, which have a high load bearing capacity, allowing farmers to cover a higher acreage without the need to stop and refill.

The rim design builds in additional strength to provide high quality, without adding unnecessary weight, helping to deliver markedly increased fuel efficiency.

Increased payload

Using the Profi-Fit TW rim design, the weight of the Sprayer Wheel is reduced by 10% without compromising on strength and durability, thereby making it possible to increase the pay load.

Lightweight design

The lower weight design reduces vehicle soil pressure and contributes to savings in fuel consumption and carbon emissions.

Ready for VF-Tires

The Sprayer Wheel is compatible with the new very high Flexion tire technology, that reduces soil compaction, enables heavier loads and low-pressure operation. Complete with assembly guard and side wall protection.

- Strong and durable to withstand the ultimate in high-stress agricultural applications.
- Used for row crop sprayers, which have a high load bearing capacity, allowing farmers to cover a higher acreage.
- The perfect solution for low pressure agricultural tire applications, combining durability with reduced weight and easier tire fitting.



Profi-Lite

moveero

Built to withstand the ultimate in high stress agricultural field applications.



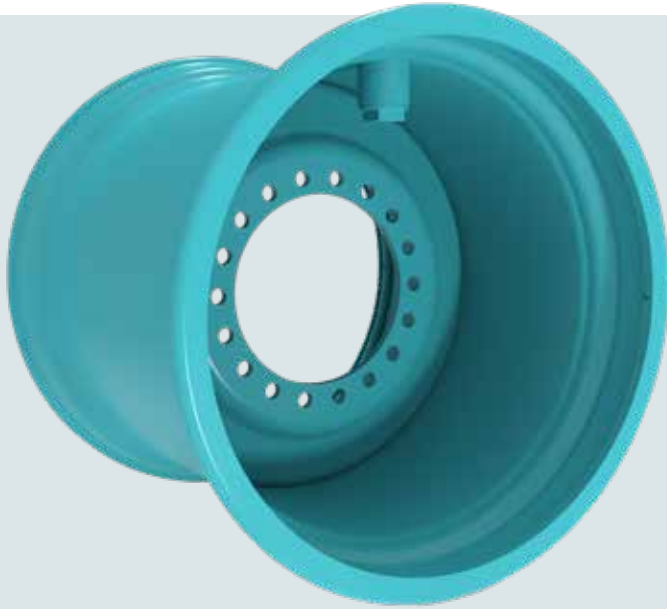
Why is there a need to reduce vehicle and wheel weight?

- High load rating can mean high stress areas around the bolt circle which has led to increased disc thickness for these larger wheel designs.
- The design of modern machinery restricts the ability to further disc shape optimization.
- A revolutionary new disc design was required, and Profi-Lite answers many of these challenges.
- The weight reduction holes potentially reduce the disc.
- Additionally the TW design rim provides a 15% weight saving over the traditional DW design.



Profi-Tuff

moveero



New range maximizes traction and minimizes tire slippage

- Rim is more than 16% thicker than any other products, with a 90 degree bent-over flange, offering maximum stiffness and protection.
- Spot welded, which keeps the flange ring in place and minimizes potential failure points.
- Bespoke knurling to prevent tire slippage.
- Flange design protecting tires during mounting and applying heavy duty reinforcement, for extra demanding operations.

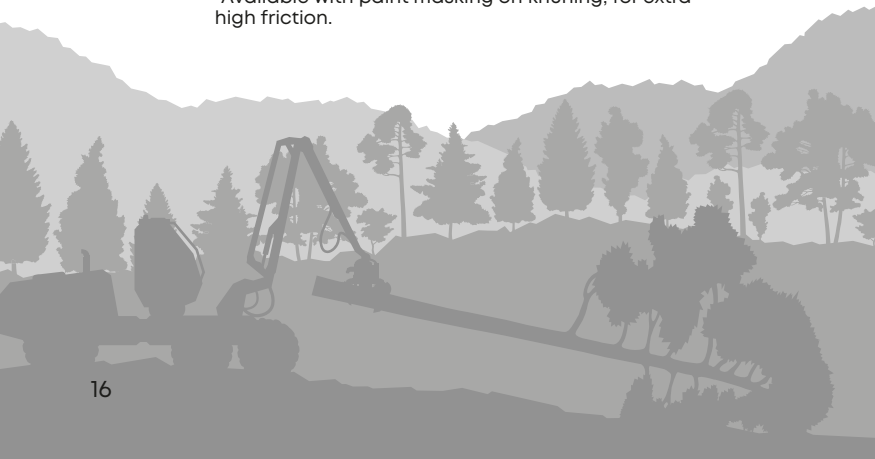
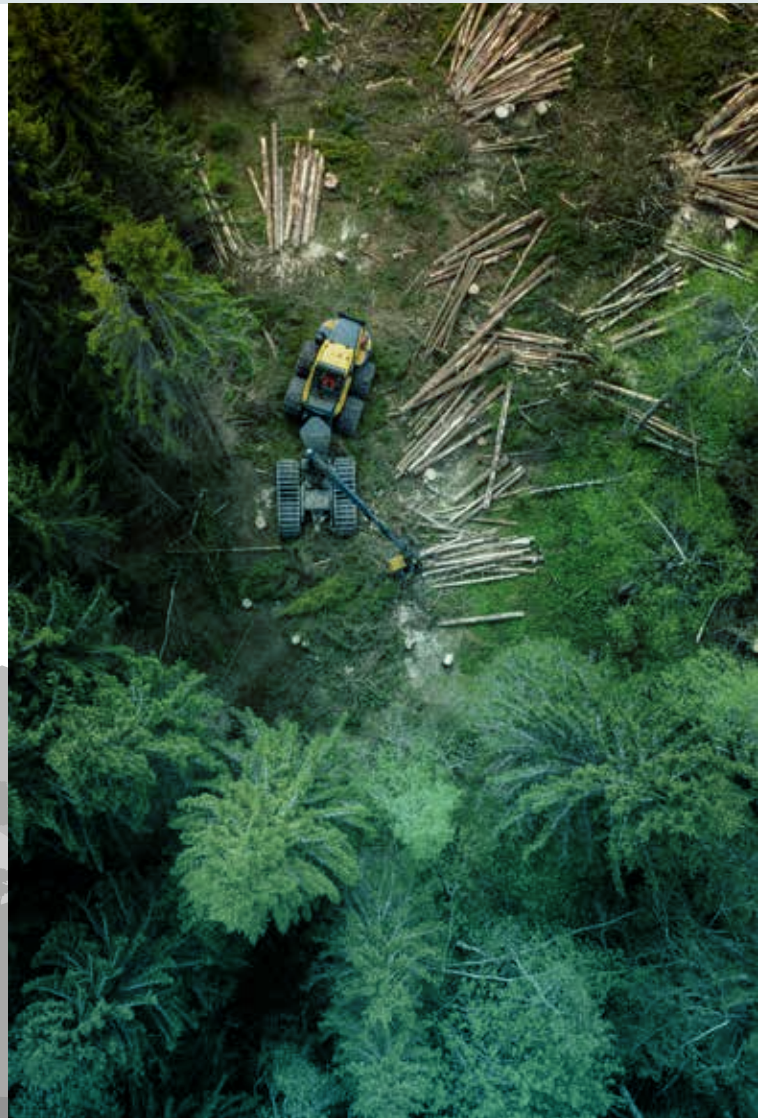


Profi-Tuff's rim profiles have been designed specifically to meet the demanding requirements of the forestry industry providing strength, high stability durability and reliability with the rim being more than 16% thicker than any other products on the market and its signature feature of 90 degree bent-over flange, offering maximum stiffness and protection.

Designed to maximize traction and minimize tire slippage, providing reliability in terms of high quality, finish, durability, maneuverability and stability. All of which help to maximize operator comfort.

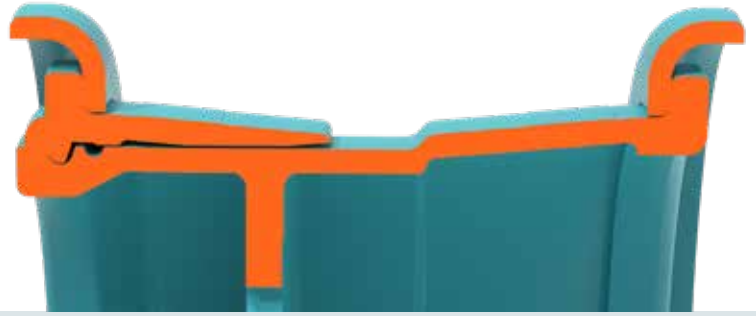
Profi-Tuff offers a solution that accommodates the rugged and challenging terrain these machines work in, and the demanding pulling and braking forces that are required.

*Available with paint masking on knurling, for extra high friction.



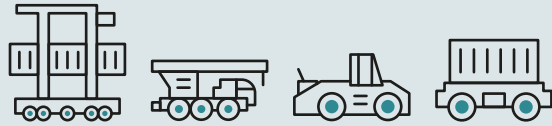
Infini-Forge

moveero



Double the lifetime

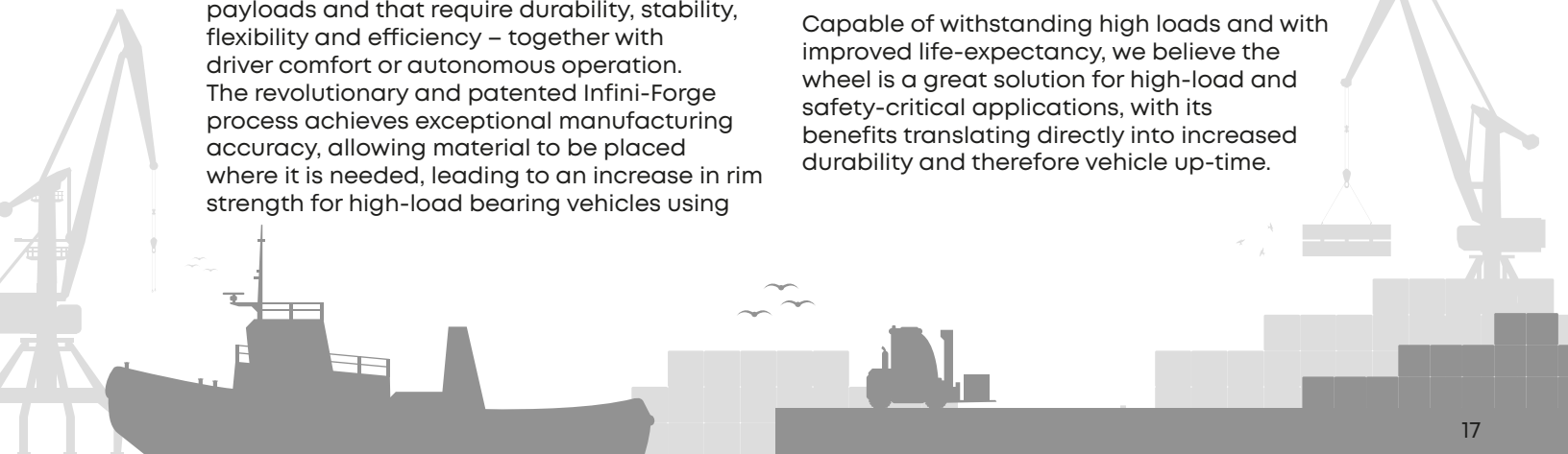
- Patented design solution.
- 50% increased wheel lifespan to conventional equivalents.
- Increased rim strength.
- 100% round wheel and stress distribution.
- High load capacity.
- Increased vehicle uptime.



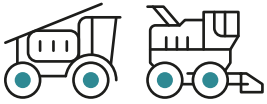
A high performing, patented solution for vehicles operating in safety critical, demanding situations, harsh environments, with high payloads and that require durability, stability, flexibility and efficiency – together with driver comfort or autonomous operation. The revolutionary and patented Infini-Forge process achieves exceptional manufacturing accuracy, allowing material to be placed where it is needed, leading to an increase in rim strength for high-load bearing vehicles using

high pressure tires, with the wheels achieving a lifespan 50% longer than conventionally manufactured, multi-piece wheels.

Capable of withstanding high loads and with improved life-expectancy, we believe the wheel is a great solution for high-load and safety-critical applications, with its benefits translating directly into increased durability and therefore vehicle up-time.



Dual wheel system



Why use a dual wheel system?

Dual wheel assemblies is a system of two wheels mounted on each side of a combine or tractor to increase stability, load-carrying capacity and reduce soil compaction.

They work by distributing the machine's weight over a larger tire contact patch, when used with the correct air pressure and tires. Commonly used on tractors, they can also provide benefits for combines, drills and cultivators.

Increased stability and traction

A wider more stable base also helps in sloped or uneven terrain as well as wet or loose soil conditions reducing slippage.

Higher load capacity

By sharing the load between two tires, the total weight the wheels can support is increased.

Reduced soil compaction

The combined tires, spreads the weight over a larger area, preventing the machine from sinking and reducing pressure on the soil.

However, it's common for some vehicles to have issues with wheel bolts breaking and wheels cracking on dual wheel assemblies.

Typically bolts do not retain their torque as intended, which can in turn lead to bolt failures.

moveero has developed its dual wheel offering to protect against common failures in the field.



Benefits of moveero's Dual System

- moveero's dual wheel system has been subject to extensive testing.
- In-house lab testing shows over a 13x life improvement of the dual wheel assembly with the hub adapter system, over standard dual wheels.
- In addition to lab testing, the system has been extensively tested in-field and proven on high-capacity hillside combines.
- Dual wheel systems can also be used on large air seeders and grain carts.

Used with moveero's Profi-Hub 470

- Can provide 60,000 lb capacity.
- Designed specifically for dual wheel assemblies.
- Larger bolt circle to eliminate problems with bolted joint coming loose.
- M22 or M24 hardware available.
- Segments as spacers available to increase bolt stretch and assist wheel assembly.



Hubs and spindles



We constantly work to design and test products which are aligned to the latest equipment needs, including higher payload capability, increased speed, and lower vehicle weight. moveero manufactures a range of customizable hub systems for off-highway machinery, with capacities ranging from 500 lbs (227 kg) to 57,000 lbs (25,855 kg) in bolt patterns 4 to 20 bolts.

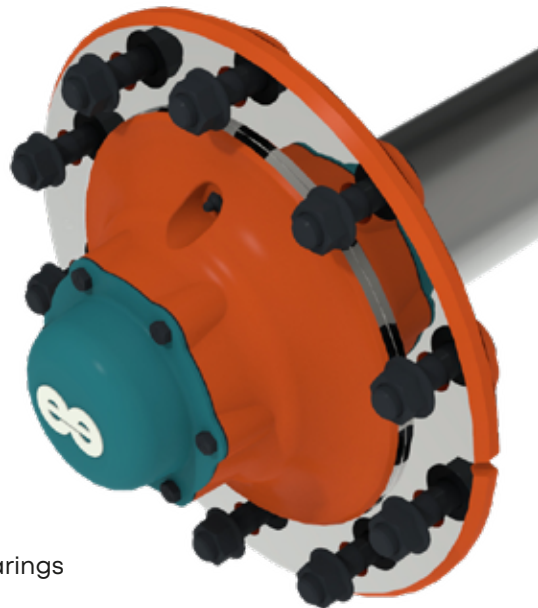
Assemblies can be delivered to the customer in a wide range of configurations to maximize installation efficiencies. For example, assemblies can be provided:

- With or without spindle.
- With or without brake rotor mounting pads.
- With bolt patterns and sizes which can be customized to meet the application and customer's requirements.
- Used on trailed agricultural and construction equipment.
- Capacity from 800 lbs to 60,000 lbs.
- Bolt circle pattern linked to capacity.
- 4 to 20 bolt pattern.



Straddle Hubs

- Mount to machine via both ends of spindle.
- Largely used on planters.
- Inner and outer bearings sized identically.
- Capacity from 1,000 to 8,000 lbs.



Coulter & Specialty Hubs

Heavy-duty, rotating assembly used in agriculture to attach a cutting disc (coulter) to tillage equipment or planters.

- Used on coulters, hay rakes and other non wheeled applications.
- Serviceable and non-serviceable options
- Track systems.
- Various speed ratings.

Along with state-of-the-art testing and manufacturing capabilities, and a wealth of expertise rooted in the USA, moveero's manufacturing plant and customer support team are based in Armstrong, Iowa.

moveero's, test and validation center, based at Estherville includes a hub test stand capable of testing high capacity agricultural and construction hubs in-house.

No. of bolts	Bolt circles	Capacity (lb)	Options
4 Bolt	4.00", 5.00", & 5.25"	800 – 1,500	–
5 Bolt	4.50", 5.50", & 6.30"	1,250 – 3,000	–
6 Bolt	5.50" & 6.00"	1,650 – 5,000	Brake ready versions in select models
8 Bolt	6.50" & 8.00"	3,500 – 10,000	Brake ready versions in many models
10 Bolt	11.25" & 13.188"	12,000 – 50,000	Brake ready versions in all models
16 Bolt	6.732"	50,000	Brake ready versions in all models
20 Bolt	13.188", 18.504" & 20.125"	35,000 – 60,000	Brake ready versions in all models

moveero hubs are sold complete with bearings, seals, hub caps and nuts and can be supplied machined, cupped only or in assembled and greased hub and spindle units.



Profi-Hub

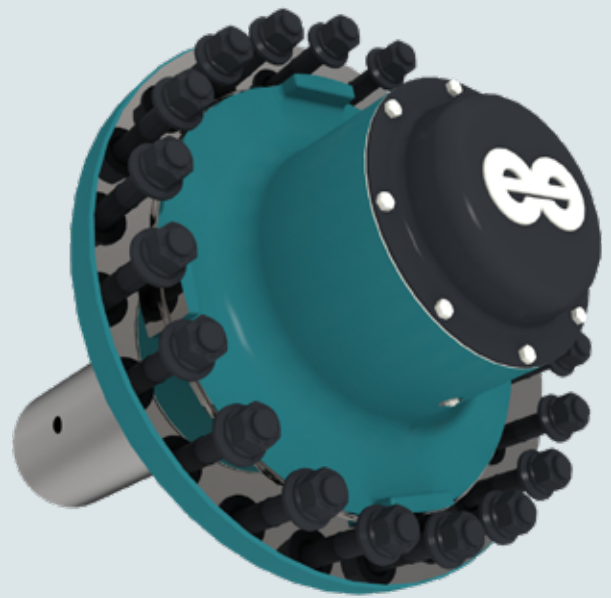
moveero

Our Profi-Hub series has been designed to reflect the demands of modern machines, with assemblies able to be configured to meet customers' specific requirements. A patented design, the product has been designed for a minimum of 20,000 miles service at 20 miles per hour (32km/h). Profi-Hub provides increased carrying capacity, improved bearing performance and improved servicing, with the hub's recessed grease fitting reducing the risk of damage whilst in use and its press-on style hub cap simplifies serviceability.

moveero is offering solutions which are a major advance in design, enabling us to continue to provide customers with high-quality, high-performance solutions. The new range is an evolution of our proven 871 and 873 hub systems, with the re-design providing improved features, capabilities and value.

A simplification of our range means greater component interchangeability, less complexity in order variants whilst new manufacturing technology has led to improved quality and tighter tolerances.

Following an extensive testing program, the Profi-Hub range has demonstrated a remarkable two and half times bearing life improvement. The re-design has also enabled the system's casting weight to be reduced by 15 pounds, improving the carbon footprint of each hub manufactured by 30 pounds of carbon dioxide.



Improved performance and easier maintenance

- A patented design solution.
- Improved bearing performance – over 2x bearing set durability with new patent pending hub shape.
- Increased carrying capacities and reduced weight from previously designs.
- Warranty period and testing program remain in place.

PROFI-HUB 286

169A286 & 176A276 Series



Replaces models 871 & 873

PROFI-HUB 335

193A335 Series



Replaces models 881, 891, 981 & 991

PROFI-HUB 335

204B335 & 217B335 Series



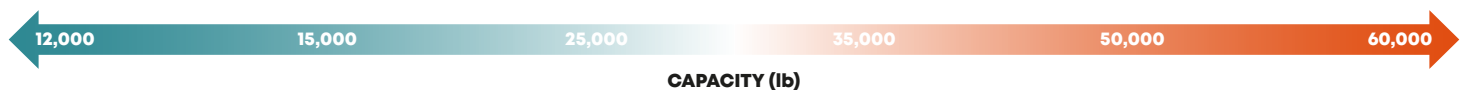
Replaces models 351 and 500

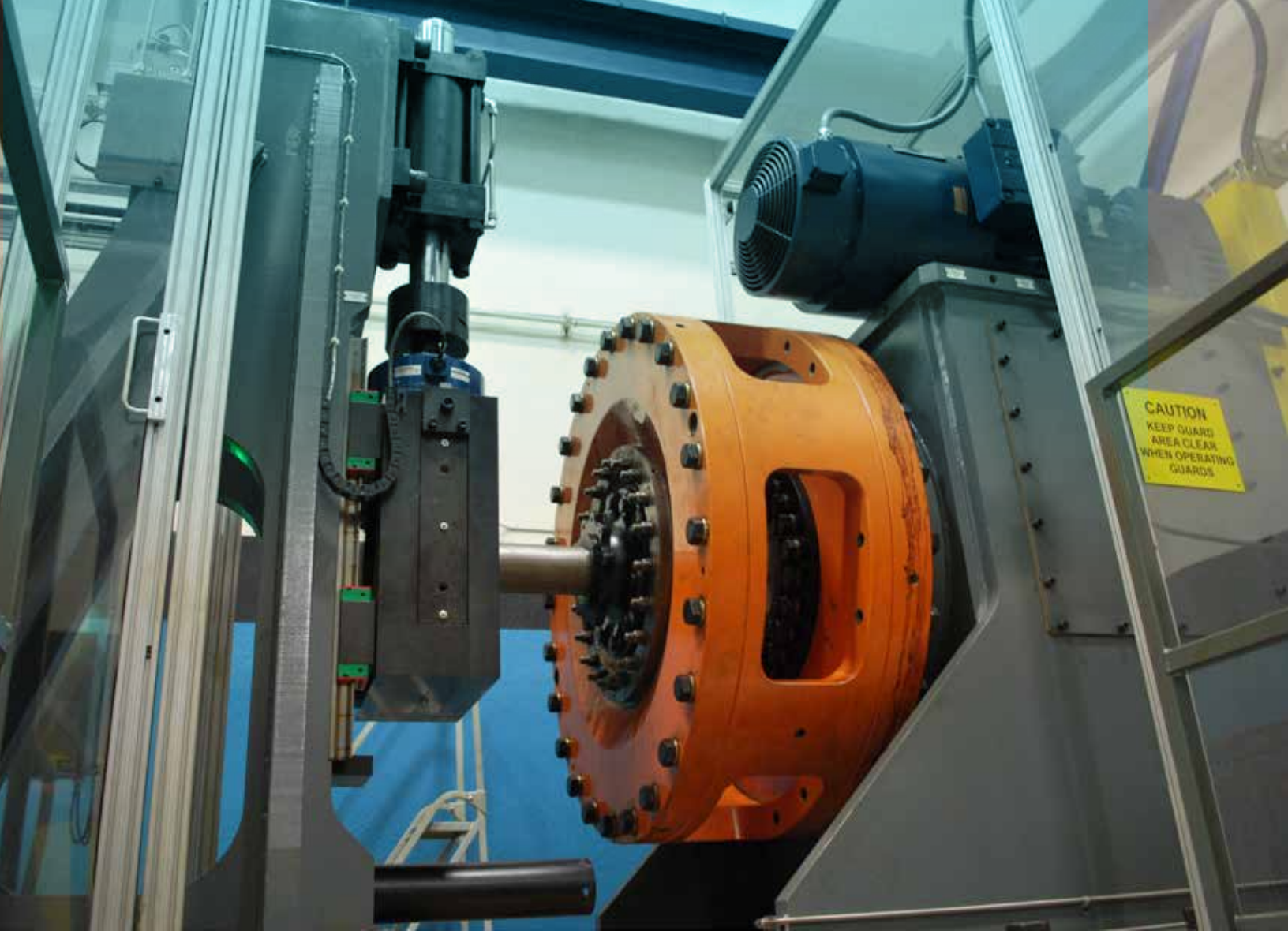
PROFI-HUB 470

223A70 Series



New market





Largest hub testing machine of its kind in the world

Working with customer's design engineers moveero provides a technical service that includes design, engineering validation, and testing of its hub systems. Control-ling the test load, spindle length, and test speed (to replicate the maximum bearing loads of the system under the most extreme conditions), means we can test high-capacity agricultural and construction hubs in-house, virtually eliminating the need for time consuming field testing.

Test load, spindle length, and test speed controlled to replicate the maximum bearing loads of the system under the most extreme conditions.

- 40" (1000mm) bolt circle.
- 8" (200mm) spindle diameter.
- 60" (1524mm) spindle length.
- 100,000 lb (45,000 kg) input load.





**Product range
overview**



**Product range
USP matrix**



**Online product
selector**



**Product range
agriculture**



**Product range
construction**



**Product range
material handling**



**Product range
forestry**



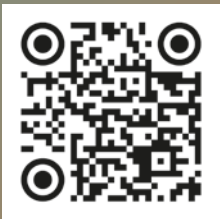
**Product range
mining**



**R&D, test
& innovation**



Short films



Brochures



Safety manual



Our history



Contact us

Notes





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