



NEW!

**Boost your
business**

PUR Wheel system

DEMAG
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TAILOR-MADE, READY TO INSTALL AND DESIGNED FOR HIGH SPEEDS.

This is what characterises the Demag LRS wheelsystem. With the Polyurethan (PUR) wheel, we have now made the wheel system even faster and more powerful. This gives you a 10% increase in load capacity and up to 30% higher speed compared to the previous LRS wheels.

A new material composition and optimized geometry make it possible: The extremely robust cast iron core is encased in a polyurethane (PUR) bandage, which not only provides more performance in terms of speed. At the same time, the new wheel enables higher payloads to be accommodated compared to the previous models.

Extensive test series in our test field have substantiated these results.

Guided on aluminium rails, the wheels with PUR drum are characterised by very quiet and gentle running.



4 SIZES – 2 DESIGNS

The PUR wheels are offered in four different sizes and two designs. Graded in lifting capacities of up to 4.65 t, they reach a maximum speed of 260 m/min.

	Sizes Ø [mm]	Load capacity ¹⁾ [kg]	Min. rail width [mm]	Max. speed [m/min]
LRS 200 F	200	1,200	70	200
LRS 250 F	250	1,700	80	200
LRS 350 F	350	3,000	110	200
LRS 450 F+	450	4,650	130	260

¹⁾ Max. 100 m/min

Two versions are offered for the F+ design. The three sizes 200, 250 and 350 have an extraordinarily robust nodular cast iron block housing. Its five precisely machined connection surfaces offer different mounting variants such as head, front or side connection. A zinc flake coating ensures special surface protection.

Alternatively, the wheel size 450 with flange bearing is offered for attachment to metal constructions. With both versions, the wheel can be quickly installed and removed with commercially available tools.

With conventional Hydropur tired wheels, potential downtimes under load of more than two hours must already be taken into account during the planning phase – as the resulting deformations can reduce the load capacity by up to 50%.

With the new Demag PUR wheels, this risk is a thing of the past: even extended downtimes under high loads can be realized without any reduction in load capacity. For maximum operational safety, greater planning flexibility, and ultimate reliability.



COMPLETE DRIVE SOLUTIONS MADE TO MEASURE

For the realization of complete driving units, PUR wheels are combined with Demag parallel or right-angle geared motors. To this end, the Demag modular system offers individual drive solutions based on proven series components with high power density and functional reliability.

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