

Product information

Disc wheel

EUWA-tested safety

 Complies with EUWA standards

- Rotary bending fatigue test: up to 2,000,000 load cycles
- Strength test: 500,000 load cycles

 Continuous cornering load test (EUWA 3.11) – simulates years of cornering under full load

 Tested:

- Cracks (bolt circles, transitions, weld seams)
- Deformation (no imbalance / no wear / no loosening)
- Fastening integrity (no pull-out, no elongation)
- Meets European original equipment requirements (OE standard)

Corrosion protection & durability

 Salt spray test: 800 hours

 Durable powder coating:

- High corrosion resistance
- Elastic against stone chipping
- Uniform coating thickness, even on edges
- Heat resistant (>150 °C)

Everything about our
Premium Parts here:





ETRTO-2025 – Standard-compliant rim contour

Centering

- Hub-centric or bolt-centric (vehicle-specific)
- Prevents vibrations, loose bolts, and wheel failure
- Tolerances within tenths of a millimeter

Contact surface

- Defined seat types: flat seat / ball seat / cone seat
- Only matching geometry = correct clamping force + no microcracks

Premium steel quality (fine-grain, microalloyed steel)

High yield strength, extremely fine microstructure

Withstands millions of load cycles

“Fail-safe” behavior: visible warning cracks instead of sudden fracture

Ideal for high continuous loads (e.g. construction sites, long-haul transport)

Microalloyed (niobium, titanium, vanadium) for maximum fatigue strength

Weld seam technology

Fully welded 360° circumferential seam

No notches → no crack initiation points

Controlled heat input (no brittle material)

Sealed weld zone for additional corrosion protection

Ensures uniform load capacity across the entire circumference

Valve & systems

Valve pre-assembled for TPMS sensors

Airtight, corrosion-resistant, temperature-resistant

Designed for 9–10 bar continuous pressure

Safety-relevant component (comparable to wheel bolts)

EV-ready & future-oriented development

Designed for the higher weight of electric commercial vehicles

Continuous development:

- Weight reduction through optimized steels (fuel/energy savings)
- Green Steel Initiative – reduced CO₂ emissions in production