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German Engineering since 1876

R80XL

The World's Largest
Transportable
Ferris Wheel



INNOVATIVE BY EXPERIENCE



The MAURER Group is a leading specialist in mechanical engineering and steel construction and has been family-owned since it was formed back in 1876. We offer products, solutions and services which are particularly notable for their quality, durability and reliability.

MAURER German Wheels

MAURER German Wheels is exclusively dealing with the sales of Ferris Wheels. Since 2002, about 30 Ferris wheels have been built. Initially, the Ferris wheels of types R40, R50 and R60 have been built as stationary and mobile versions, the number indicating the construction height of the Ferris Wheel. Since 2012, we have been delivering the **R80XL** Ferris Wheel as stationary and mobile version. A wheel of this type in Puebla / Mexico with a total height of approx. 78 m is currently listed as the largest transportable Ferris Wheel in the world in the Guinness Book of Records.



FERRIS WHEEL R80XL

The R80XL with 54 Ethos cabins for 8 passengers or with 27 of the larger Zeppelin cabins for 16 passengers each is the world's largest transportable and series-produced Ferris Wheel. Developed by experienced and highly qualified designers, it represents a state-of-the-art stand-alone attraction with a long lifetime.

► TECHNICAL SPECIFICATIONS

HEIGHT:	.....approx. 78.0 m
WHEEL DIAMETER:	.....approx. 74.0 m
HEIGHT MAIN AXLE:	.....approx. 40.0 m
BASE DEPTH & WIDTH:	.....depth approx. 29.3 m width approx. 41.5 m
CAPACITY:	..... up to 1,700 passengers per hour
NUMBER OF CABINS:	..... 27 Zeppelin cabins for up to 16 passengers 54 Ethos cabins for up to 8 passengers
REVOLUTIONS:	..... variable speed from two to four revolutions per hour
DRIVE & CONTROL SYSTEM:	..... 8 SIEMENS AC motors with redundant PLC control
POWER SUPPLY:	..... 3 AC/N/PE; 400/230 V, 50/60 Hz
WEIGHT OF COMPONENTS:	..... constructions approx. 750 t ballast weight approx. 750 t

- | | |
|------------------------------------|---------------------|
| ✓ TÜV-APPROVED | ✓ AUTOMATIC CONTROL |
| ✓ TRANSPORTATION IN ISO CONTAINERS | ✓ SAFETY DEVICES |
| ✓ LOW-MAINTENANCE | |





MORE INFORMATION



- ENTRANCE AND PLATFORM:**
- ▶ Entrance to the elevated platform via ramps in front of the wheel
 - ▶ Roofing of the entire waiting area with a transparent construction
 - ▶ Fully automatic entrance control through the electronic ticket system SKIDATA



Exterior view of the standard Ethos cabin



Exterior view of the VIP Ethos cabin with glass bottom



Zeppelin cabin with seating platform



Zeppelin cabin with table and chairs



Exterior view of the Zeppelin cabin