

WINORA

From big to small

Once German reunification occurred in 1990, the Winora company in Schweinfurt in Bavaria was exposed to new markets. With an aggressive sales strategy and a keen eye on the competition, it quickly developed new bicycle designs. The Winora Take-off road bike, designed by Ernst Brust [*1953], could be folded up and carried in a special case. The handlebars, front wheel and saddle could be dismantled using quick release skewers. Pedals could then be taken off with a bayonet fitting, and the rear wheel detached through removing the wheel spindle, leaving the sprockets and chain attached to the frame and the rider with clean fingers.

The seat stays then needed to be split using a quick fastener, and the rear part of the frame folded forwards. The Take-off could then fit in its case. The Winora Take-off featured opposite (number 91) weighs just over 11 kilograms.

The Sachs-Huret New Success ARIS (Advanced Rider Index System) components were progressive technology in 1988. A proper slant parallelogram design with two sprung pivots gave the bicycle a smart individual look, noted for its angular styling and the placing of the adjustment screws. It proved a reasonably successful design, although it did not match Shimano's level of attention to chains and freewheel cogs. The example shown here is the short pulley cage version.



LAND **DEUTSCHLAND**

JAHR **1989**

GEWICHT **11,1 KG**

RAHMEN **LACKIERTER
STAHL, 56 CM HOCH**

GÄNGE **12, SACHS NEW
SUCCESS ARIS**

BREMSEN **FELGE SEITENZUG UNIVERSAL**

REIFEN **28 ZOLL DRAHTREIFEN**