

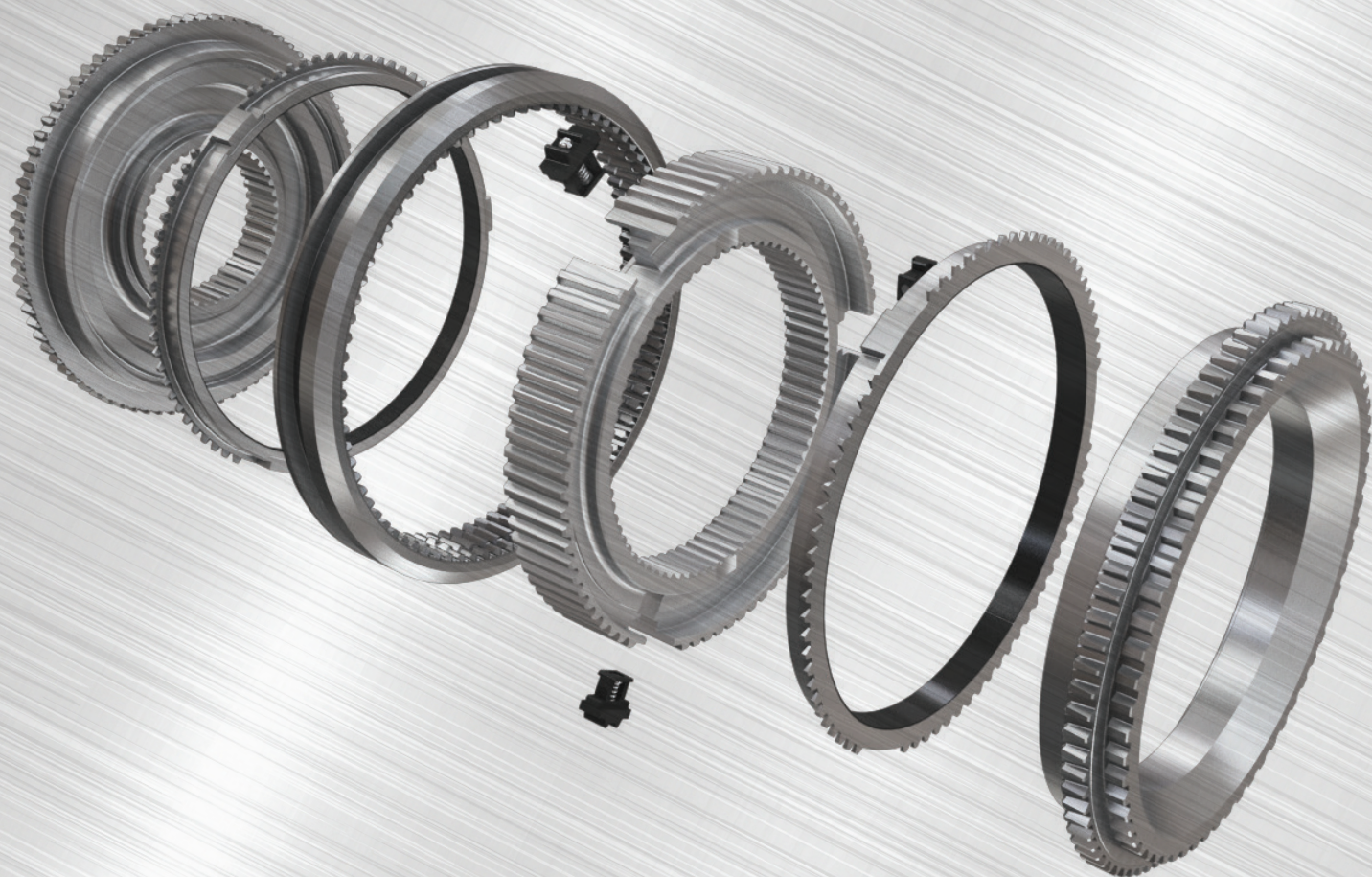


**GRAZIANO®**

*Shifting Solutions*

# Synchronizer Units

## SC 184





# Synchronizer Units **SC 184** | Shifting Solutions

**80%** of all agricultural machinery in production today worldwide is equipped with our shifting solutions.

**1 million** synchronizers are produced per year for tractors, construction equipment, passenger cars, and trucks.

Worldwide, we have the largest range of shifting solutions,  
**from 62 to 184 mm.**

## Research and Development

- Best-in-class capability to develop the optimal solution for the most demanding customer's applications
- Layout studies, performance analysis, and virtual validation
- Internal testing capability on component, transmission, and vehicle
- Dedicated prototyping production department

## Innovation in Friction Materials

- Constantly developing the most innovative friction materials for synchronizers
- Long-term partnership with best-in-class suppliers
- Setting new standards in terms of shifting comfort and durability

**With more than 30 years of experience in synchronizer design, we are able to drive the customer in obtaining the best tailored specific shifting solution.**

## Current Synchronizers Size Range

Type: Reference diameter (mm)

Single Cones	62	68	74	82	90	114	114 HD	153	168 SM	168	184
Double Cones	71/76	86.5 / 92	95 / 100	109 / 116	128 / 135	162 / 170	162 / 170				
Triple Cones	67 / 71 / 76			90 / 95 / 100			102 / 110 / 118				



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