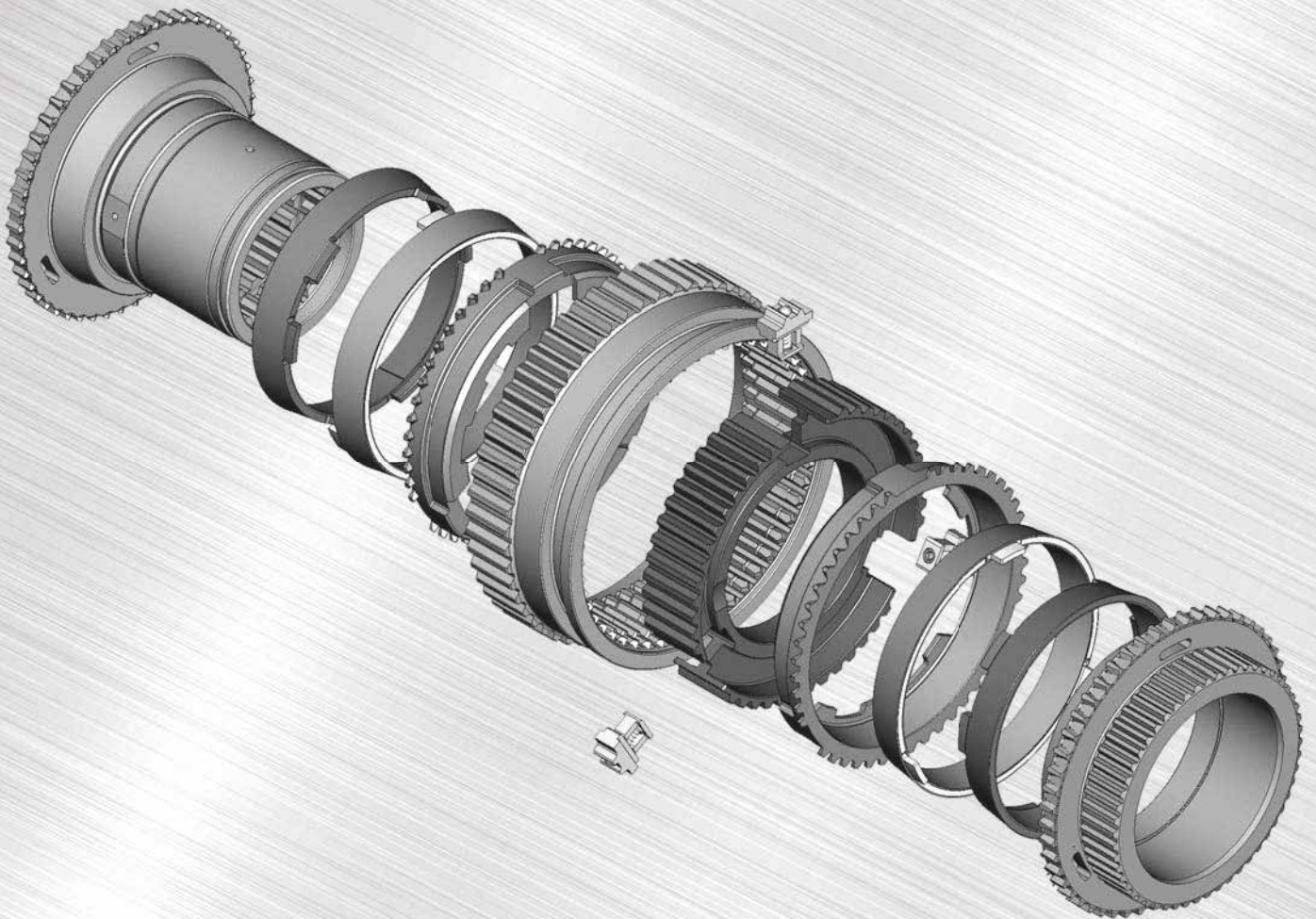




GRAZIANO®

Shifting Solutions

Synchronizer Units **TC 102/110/118**



Synchronizer Units **TC 102/110/118** | 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 SM	162 / 170				
Triple Cones	67 / 71 / 76			90 / 95 / 100			102 / 110 / 118				



[GrazianoFairfield.com/en/company/contact-portal/](https://www.GrazianoFairfield.com/en/company/contact-portal/)

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