

Synchronizer Units TC 102/110/118



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40 years of experience in synchronizer design, we are able to drive the customer in obtaining the best tailored specific shifting solution.

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

Current Synchronizers Size Range

Type: Reference diameter (mm)

Single Cones	62	68	74	82	90		114	114 HD	153	148 SM	1	68	184
Double Cones	71 / 76 86.5 /		86.5 / 92	95	95 / 100		109 / 116	128	/ 135	162 / 170 SM)	16	62 / 170
Triple Cones	67 / 71 / 76				90 / 95 / 100					102 / 110 / 118			

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Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.

