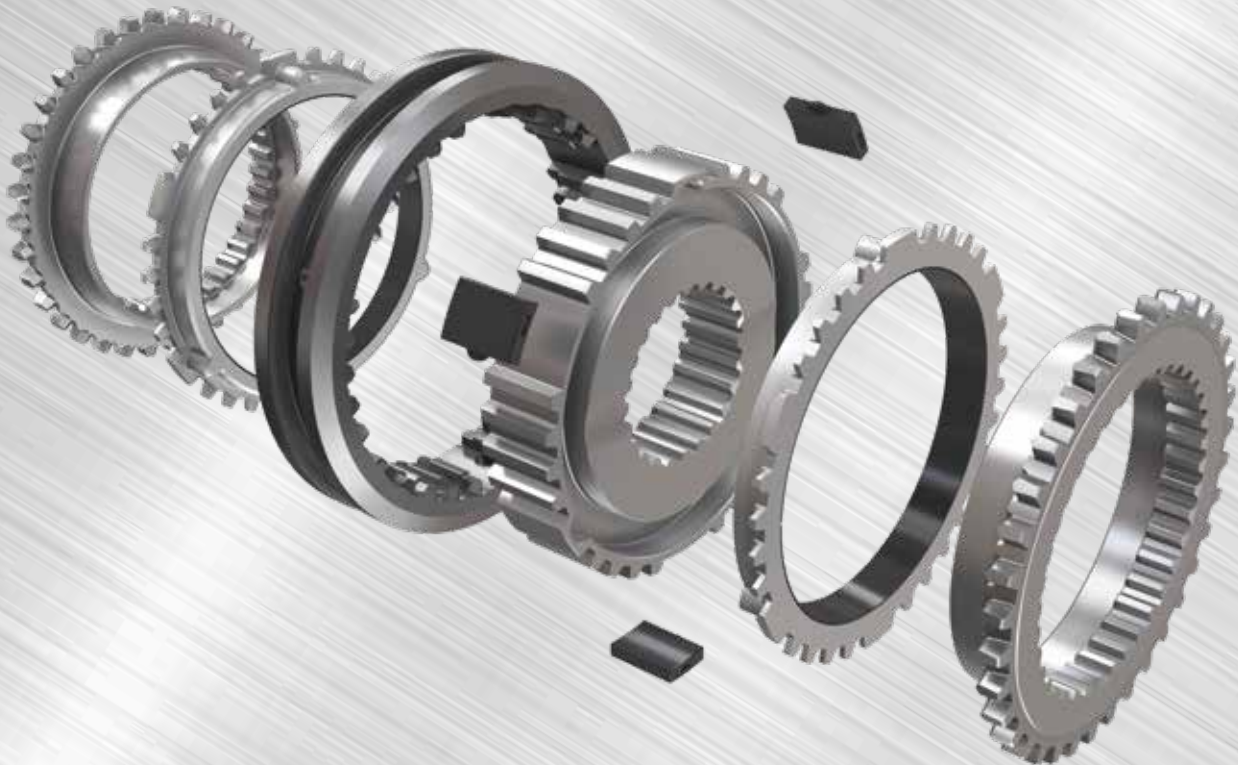




GRAZIANO™

Shifting Solutions

Synchronizer Units **CSS**



Synchronizer Units **CSS**

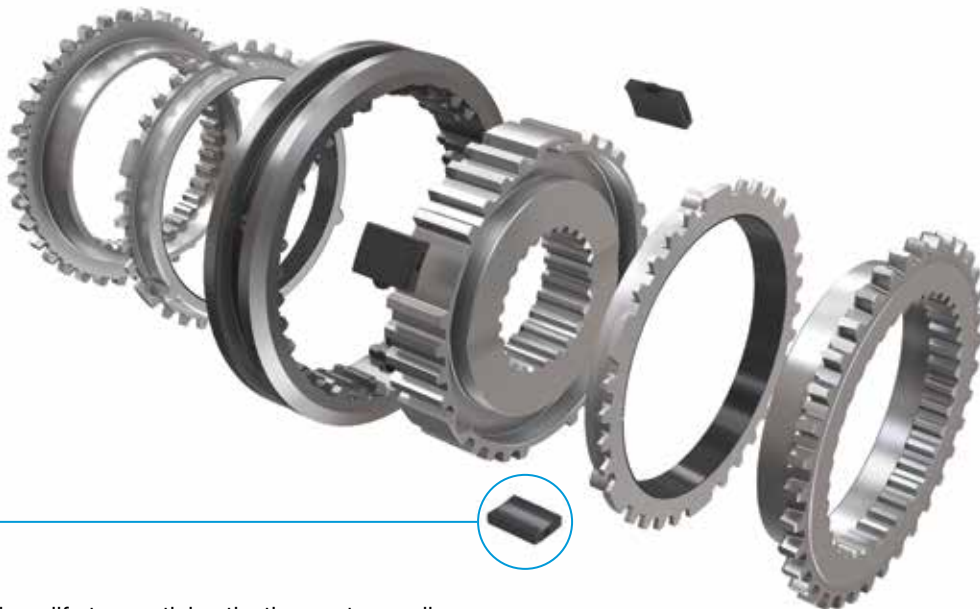
New synchronizer concept as a step ahead in innovation for shifting solutions.

Compact Slotless Synchronizer (CSS) can be applied wherever a synchronizer technology is required: passenger cars, trucks, industrial, agricultural, and construction equipment.

Benefits

We are able to design, develop and test complete Powershift units. Supplying the complete powershift unit gives great advantages to the customer:

- Roller working ramp obtained on the tooth flank of the sliding sleeve
- 25% wider friction surfaces in same envelope, for heavy duty applications
- Simpler and stronger hub geometry (no slots and holes) with benefits on synchro functionality (reduction of heat treatment deformations)
- Came synchro package can be assembled on larger shafts
- Synchro ring geometry optimized to reduce stress and knocking effect
- Interchangeable with standard solution



NEW

- Integrated long life tangential activation system: roller, spring, and plastic case in one sub-assembly
- Reduced activators radial envelope up to 75%

Dana.com/OH

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.



GRAZIANO™

Shifting Solutions