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Freewheel Locking Hubs Now Available For Fabco Steerable Drive Axles

In response to severe service customers' needs for maximum off-highway vehicle capability combined with optimized on-highway performance, Fabco has made available Freewheel Hubs for Fabco axles. The simple and robust design allows the front drive axle gearing, front axle driveshaft, and front axle transfer case output to be decoupled when on-highway. Thousands of commercial vehicles are produced annually using this well accepted technology. Fabco is the first and only heavy duty component supplier to offer this feature in axle ratings from 8,000 thru 16,000 lbs. Locking Hubs, also known as Freewheel Hubs, offers the vehicle owner and operator the following important benefits:

On-Highway Benefits

- Reduced drivetrain wear and tear.
- Improved fuel economy due to less parasitic losses in drivetrain system from differential gearing friction, lubrication windage losses, bearing torque drag, oil seal drag, and rotating inertia.
- Reduction in NVH (noise, vibration, and harshness) due to transfer case to front axle driveshaft and u-joint angularity.
- Improved tire wear and steering feedback.

Off-Highway Benefits

- When hubs are locked for 4X4 or 6X6 All Wheel Drive operation, maximum vehicle capability can be achieved in a way only the proven mechanical All Wheel Drive system can deliver. The hub locks do not degrade any off-highway performance.



Fabco Freewheel Hub

Applications and Compatibility

- Available for new axle orders for all current generation 8,000 thru 16,000 lbs. Fabco FSD Series Axles models (models FSD-8A, FSD-10A, FSD-12A, FSD-13A, FSD-14A, and FSD-16A) in addition to availability of retrofit kits.
- Retrofit kits are available for previous generation 12,000 thru 16,000 lbs. SDA Series Axles (models SDA-1200, SDA-1400, and SDA-1600).
- Compatible with standard disc wheels.
- Axle dimensions remain within federal overall width requirements.

Product Development, Operation, and Installation

- Fabco partnered with a technology leader, Warn Industries, to develop the product. Extensive analytical work, laboratory durability and environmental testing, and field vehicle trials were performed to exceed industry requirements.
- Driver operation of hub locks is simple – just turn the dial.
- Field installation requires no special tools and can be done in about 1 hour per vehicle. Installation instructions provided with retrofit kits and Fabco technical support is readily available.



For more information, contact Fabco Sales
at 800-967-8838 or Sales@FabcoAutomotive.com.

