



At GfA we invented the integrated safety brake for roller shutter operators and defined Door Operator Safety with the introduction of the **Safedrive®** range of operators with Integrated Safety Brake. The Safety Brake prevents the door from free fall in case of gear failure by blocking the drive shaft. Safety Brakes are now mandatory for all direct driven, non-balanced industrial doors in Europe. All safety brakes must comply with the requirements outlined in EN 13241-1, this includes testing and certification by a notified institute.

**Safedrive® Features:**

- **Integrated, patented Safety Brake** – reduces risk of shutter free fall, complies with EN 13241-1, the Safety Standard for Doors and Gates.
- Compact, efficient, worm gear
- All operators suitable for left or right hand – simplifies installation
- All 3-phase operators are high cycle rated
- Kits with TS 970 or TS 971 Logic Controller are ideal for Car Park Operators and are ready for all safety devices
- Integrated Overload and Safety Circuit - protects users and doors
- Digital Limits provide additional features, i.e. limits setting, program adjustments and monitoring of all functions and faults (on controller display) from the ground.

**Safedrive® Operators for non-balanced roller shutters and grills**

**Safedrive® Operators – 240 V, single phase**

Lifting Capacity @ drum Ø	Push Button Control (Kit Part No)	Logic Control (Kit Part No)	Variable Speed Drive (Kit Part No)
135kg @ 168Ø	-	-	SI63 17.60-FI - TS970 AU110104
198kg @ 168Ø	<b>SIK 25.10 – TS959 (Compact Drive)</b> (AU110043)	<b>SIK 25.10 – TS970 (Compact Drive)</b> (AU110048)	SI 25.60-FI –TS970 (AU110112)
318kg @ 168Ø	-	-	SI 40.40-FI – TS970 (AU110106)

*Note: Lifting Capacity stated above considers 20% friction and slat profile thickness of 20 mm.*

**Safedrive® Operators – 415 V, three phase**

Lifting Capacity @ drum Ø	Push Button Control (Kit Part No)	Logic Control (Kit Part No)	Variable Speed Drive (Kit Part No)
198kg @ 168Ø	<b>SIK 25.10 - TS959 (Compact Drive)</b> (AU110054)	<b>SIK 25.10 - TS970 (Compact Drive)</b> (AU110044)	-
198kg @ 168Ø	SI 25.15 - TS959 (AU110002)	SI 25.15 - TS970 (AU110046)	SI 25.60-FI - TS970 (AU110112)
318kg @ 168Ø	SI 40.15 - TS959 (AU110006)	SI 40.15 - TS970 (AU110005)	SI 40.40-FI - TS970 (AU110106)
437kg @ 168Ø	SI 55.15 - TS959 (AU110008)	SI 55.15 - TS970 (AU110007)	SI 55.40-FI - TS970 (AU110110)
595kg @ 168Ø 481kg @ 219Ø	SI 75.15 - TS959 (AU110012)	SI 75.15 - TS970 (AU110011)	SI 75.45-FI - TS970 (AU110113)

*Note: Lifting Capacity stated above considers 20% friction and slat profile thickness of 20 mm.*