

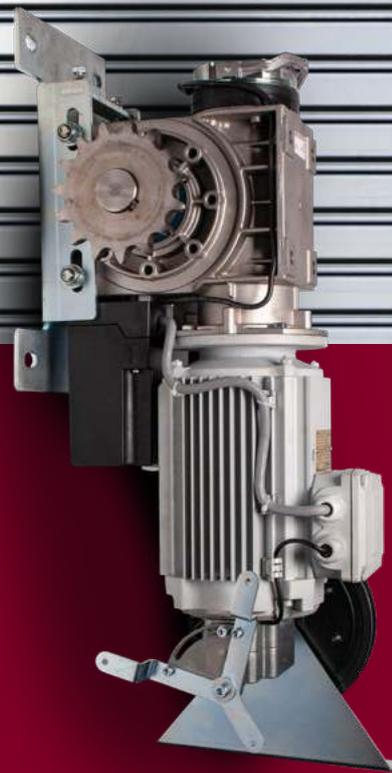
# GRIFCO®

POWERING COMMERCIAL DOORS

## D-DRIVE

### CHAIN DRIVE VERSION

CHAIN DRIVE SINGLE AND VARIABLE SPEED OPERATORS FOR NON-BALANCED ROLLER SHUTTERS



## KEY FEATURES

- Robust Chain Drive Configuration
- Single and variable speed options available for soft open / soft close
- Solutions up to 450 Nm
- Comprehensive logic onboard
- Relay Expansion Boards available
- Non-handed
- 2 year Grifco conditional warranty
- Rated for low and high duty cycle applications
- Made in Germany

Grifco's D-Drive range delivers a chain drive solution for non-balanced roller shutter doors to suit low cycle and high cycle applications. Robust and reliable, with multiple component options, the D-Drive is an intelligent workhorse with trusted performance.

## Information for Roller Shutters

All Operators are designed for a Roller Shutter with maximum curtain weights as listed on the following page.

## More information?

Full instructions are found in the D-Drive Installation Manuals. Visit Grifco D-Drive at: [www.grifco.com.au/d-drive](http://www.grifco.com.au/d-drive)



## OPTIONAL ACCESSORIES

### Mounting Platform

DDMP-01 / DDMP-02



### Entrapment Protection Devices

PB008 / PB060 / GLCPS



### Expansion Boards

1 Relay Device DDEB-1R  
6 Relay Device DDEB-6R



### Transmitter Management

Up to 1,000 remotes  
STAR1000EVO



### Three Channel Receiver

Up to 50 remotes  
E8003



### Transmitter Management Devices (50 x E960G)

Security + 2.0  
E960G / GTM-E960G-50



More accessories available

# D-Drive Chain Drive Single and Variable Speed Operators Range for Non-Balanced Roller Shutters

Kit	Maximum Power Nm	Nominal Shaft Speed RPM	Supply Voltage / Rated Current	Operator	Wall Control	Safety Brake	Fastener Kit	Mounting Platform
<b>Single Speed</b>								
<b>GCD-45-23-SS</b>	450	23	415V/5.2A	GCDO-45-23	DDC-22	GSB-1200/50	DDMB02: M16 KIT	DDMP-02

Kit contents - refer to Components Parts List.

<b>Variable Speed</b>								
<b>GCD-22-23-VS</b>	220	23	230V/4.0A	GCDO-22-23	DDI-12	GSB-600/40	DDMB01: M12 KIT	DDMP-01
<b>GCD-45-23-VS</b>	450	23	230V/9.0A	GCDO-45-23	DDI-15	GSB-1200/50	DDMB02: M16 KIT	DDMP-02

Kit contents - refer to Components Parts List.

## Maximum Total Curtain Weight

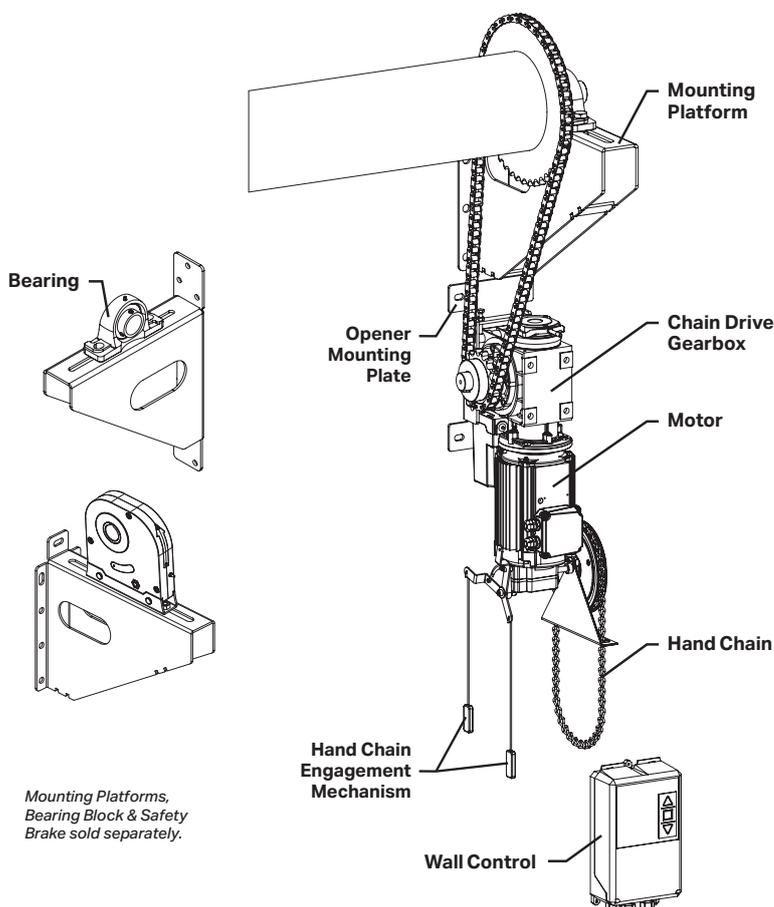
Drum Diameter	Ratio	165mm	168mm	219mm	273mm
<b>GCD-45-23-SS</b>	3.0	1,086	1,070	858	709
<b>GCD-22-23-VS</b>	3.0	531	523	419	346
<b>GCD-45-23-VS</b>	3.0	1,086	1,070	858	709
<b>GCD-45-23-SS</b>	3.8	1,376	1,356	1,086	898
<b>GCD-22-23-VS</b>	3.8	673	663	531	439
<b>GCD-45-23-VS</b>	3.8	1,376	1,356	1,086	898

Lifting weights in Kg, including bottom rail.  
Use of a larger brake can increase maximum curtain weight.

Maximum curtain weights for Low Duty applications, excluding wind-lock construction - see manual for details. Refer to Installation Manual for detailed dimensions.  
For other duty ratings refer to Installation Manual or contact Grifco Customer Service.

## Drum Discs

Component Part Number	Disc Diameter (mm)	Wall Thickness (mm)	Shaft Diameter (mm)
<b>DDDD-168-4.8-40</b>	168	4.8	40
<b>DDDD-168-4.8-50</b>	168	4.8	50
<b>DDDD-168-4.8-55</b>	168	4.8	55
<b>DDDD-168-6.4-40</b>	168	6.4	40
<b>DDDD-168-6.4-50</b>	168	6.4	50
<b>DDDD-168-6.4-55</b>	168	6.4	55
<b>DDDD-168-7.1-40</b>	168	7.1	40
<b>DDDD-168-7.1-50</b>	168	7.1	50
<b>DDDD-168-7.1-55</b>	168	7.1	55
<b>DDDD-219-4.8-40</b>	219	4.8	40
<b>DDDD-219-4.8-50</b>	219	4.8	50
<b>DDDD-219-4.8-55</b>	219	4.8	55
<b>DDDD-219-6.4-40</b>	219	6.4	40
<b>DDDD-219-6.4-50</b>	219	6.4	50
<b>DDDD-219-6.4-55</b>	219	6.4	55
<b>DDDD-219-8.2-40</b>	219	8.2	40
<b>DDDD-219-8.2-50</b>	219	8.2	50
<b>DDDD-219-8.2-55</b>	219	8.2	55
<b>DDDD-273-4.8-40</b>	273	4.8	40
<b>DDDD-273-4.8-50</b>	273	4.8	50
<b>DDDD-273-4.8-55</b>	273	4.8	55
<b>DDDD-273-6.4-40</b>	273	6.4	40
<b>DDDD-273-6.4-50</b>	273	6.4	50
<b>DDDD-273-6.4-55</b>	273	6.4	55



# D-Drive Chain Drive Component Parts List

Component Part Number	Kit Part Number	GCD-45-23-SS	GCD-22-23-VS	GCD-45-23-VS
		450 Nm Single Speed	220 Nm Variable Speed	450 Nm Variable Speed
<b>GCD0-22-23</b>	Operator Chain Drive 220 Nm		<b>Y x1</b>	
<b>GCD0-45-23</b>	Operator Chain Drive 450 Nm	<b>Y x1</b>		<b>Y x1</b>
<b>DDC-22</b>	Wall Controller Contactor 2.2 kW	<b>Y x1</b>		
<b>DDI-12</b>	Wall Controller Inverter 1.2 kW		<b>Y x1</b>	
<b>DDI-15</b>	Wall Controller Inverter 1.5 kW			<b>Y x1</b>
<b>DDMB01</b>	Fastener Kit M12 Bolt & Washers		<b>Y x1</b>	
<b>DDMB02</b>	Fastener Kit M16 Bolt & Washers	<b>Y x1</b>		<b>Y x1</b>
<b>GSB-600/40</b>	Safety Brake 600Nm, 40mm diameter		<b>Y x1</b>	
<b>GSB-1200/50</b>	Safety Brake 1200Nm, 50mm diameter	<b>Y x1</b>		<b>Y x1</b>
<b>EC-8</b>	Encoder & Brake Cable 8m long	<b>Y x1</b>	<b>Y x1</b>	<b>Y x1</b>
<b>EC-12</b>	Encoder & Brake Cable 12m long	<b>O x1</b>	<b>O x1</b>	<b>O x1</b>
<b>MPC-6</b>	Motor Power Cable 6m long	<b>SBO</b>		
<b>MPC-8</b>	Motor Power Cable 8m long	<b>SBO</b>	<b>Y x1</b>	<b>Y x1</b>
<b>DDMP-01</b>	Mounting Platform Small		<b>Y x2</b>	
<b>DDMP-02</b>	Mounting Platform Large	<b>Y x2</b>		<b>Y x2</b>
<b>B-HSBP40</b>	Bearing Block 40mm		<b>Y x1</b>	
<b>B-HSBP50</b>	Bearing Block 50mm	<b>Y x1</b>		<b>Y x1</b>
<b>DDDS-600-40K</b>	Drum Shaft 600mm x 40mm inc. Keyway & Key		<b>Y x1</b>	
<b>DDDS-600-50K</b>	Drum Shaft 600mm x 50mm inc. Keyway & Key	<b>Y x1</b>		<b>Y x1</b>
<b>DDDS-600-40P</b>	Drum Shaft 600mm x 40mm Plain		<b>Y x1</b>	
<b>DDDS-600-50P</b>	Drum Shaft 600mm x 50mm Plain	<b>Y x1</b>		<b>Y x1</b>
<b>DDDD-XXX-X.X-XX</b>	Drum Disc - see separate table	<b>Y x4</b>	<b>Y x4</b>	<b>Y x4</b>
<b>S1215-40</b>	Drive Sprocket 12B15T 40mm bore		<b>Y x1</b>	
<b>S1615-40</b>	Drive Sprocket 16B15T 40mm bore	<b>Y x1</b>		<b>Y x1</b>
<b>P1245-40</b>	Plate Wheel 12B45T 40mm bore		<b>O x1</b>	
<b>P1257-40</b>	Plate Wheel 12B57T 40mm bore		<b>Y x1</b>	
<b>P1645-50</b>	Plate Wheel 16B45T 50mm bore	<b>O x1</b>		<b>O x1</b>
<b>P1657-50</b>	Plate Wheel 16B57T 50mm bore	<b>Y x1</b>		<b>Y x1</b>
<b>DC12B</b>	Drive Chain 12B		<b>Y x2</b>	
<b>DC16B</b>	Drive Chain 16B	<b>Y x2</b>		<b>Y x2</b>
<b>DDRR-40</b>	Retaining Ring 40mm		<b>Y x2</b>	
<b>DDRR-50</b>	Retaining Ring 50mm	<b>Y x2</b>		<b>Y x2</b>
<b>HC4MM8</b>	Hauling Chain 4mm x 19mm 8m long	<b>O x1</b>	<b>O x1</b>	<b>O x1</b>
<b>DDEB-1R</b>	Expansion Board inc. 1x Relay		<b>O x1</b>	<b>O x1</b>
<b>DDEB-6R</b>	Expansion Board inc. 6x Relay		<b>O x1</b>	<b>O x1</b>

**Y** Needed for installation, and included in Kit Part Number

**Y** Needed for installation, purchase separately

**O** Optional for installation, purchase separately

**SBO** Supplied By Others

x1 One piece is required for an installation

x2 Two pieces required for an installation

x4 Four pieces required for an installation

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Visit our website  
for quick access to:

- Installation manuals
- Specification sheets and text
- News and information
- Application information

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As Chamberlain's policy is one of continuous product improvement, changes to specifications can be made without prior notification.



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