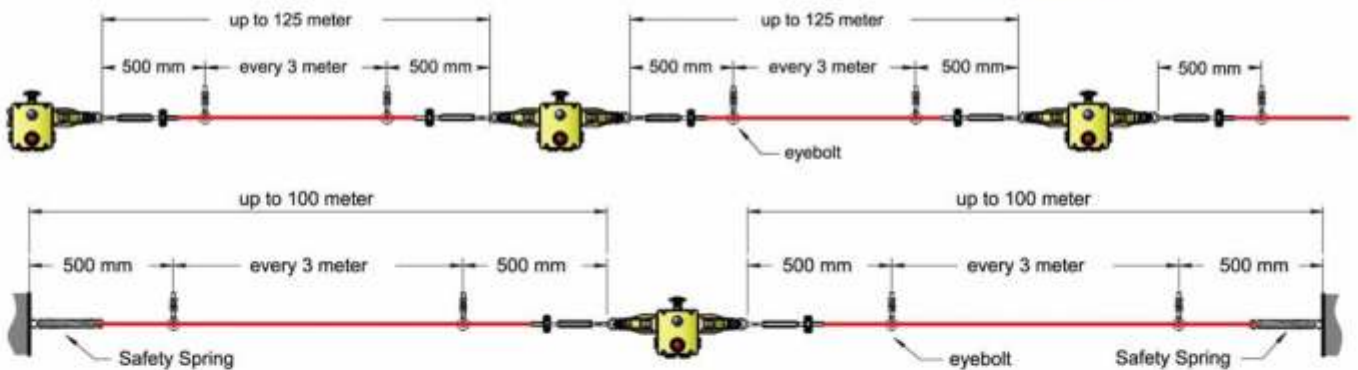


# Guardian Line Heavy Duty - Type GLHD

Protection up to 250 meters

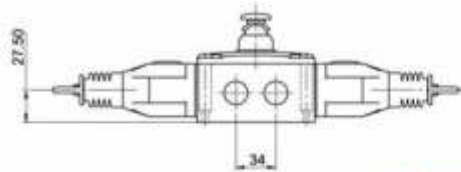
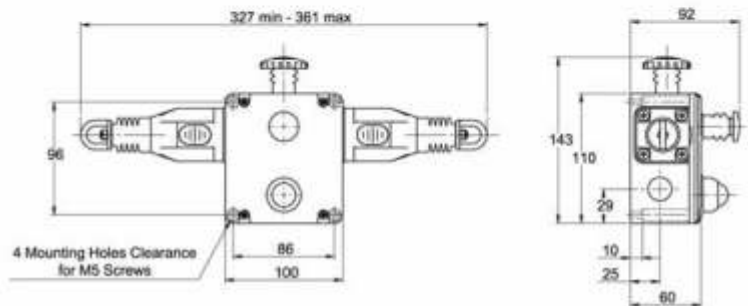


The GLHD is a Heavy Duty Safety Rope Pull switch designed to protect long conveyor lengths. The die-cast housings are robust to survive indoor or outdoor use including washdown (IP67 rating). Lengths over 2 Km can be achieved with less than 20 switches. A bi-colour LED ensures switch status can be seen easily from a distance. They have 4NC 2NO contacts to ensure flexibility with all modern control applications and optional Explosion Proof contact blocks are available. Shorter rope spans up to 200m. can be achieved by using just one switch therefore making a cost effective solution and also reducing electrical wiring runs.



It is recommended when using a Safety Spring that a maximum of one corner pulley is used.

- Standards: IEC 947-5-1 IEC947-5-5 EN 418  
UL508 BS 5304
- Approvals: cULus TUV
- Enclosure / Cover: Die-Cast - Painted Yellow
- External Parts: Stainless Steel
- IP Rating: IP67
- Rope Spans: Dual Head 250m.
- Rope Tension device: IDEM Tensioner / Gripper - Quick Fixing
- Rope Type: 4.0 mm Outside Dia. Steel inner - PVC sheath
- Mounting: 4 x M5
- Mounting position: Any
- Conduit entries: 4 x M20 or 4 x 1/2" NPT by part number
- Torque settings: Mounting M5 4.0 Nm  
Lid T20 Torx M4 1.5 Nm  
Terminals 1.0 Nm
- Ambient Temperature: -25C. 80 C.
- Vibration resistance: 10-500Hz 0.35mm
- Shock resistance: 15g 11ms
- Tension Force (typical mid setting): 130N.
- Typical Operating Force (Rope pulled): < 125N. < 300mm Deflection
- Mechanical Life: 1,000,000 operations
- Weight: 1320 g.
- Contact type: IEC 947-5-1 Double break Type Zb  
Snap Action up to 4NC (positive break)  
2NO (Auxiliary)
- Contact Material: Silver
- Termination: Clamp up to 2.5 sq. mm conductors
- Rating: Utilisation Category: AC15 A300
- Operational Rating: 240V, 3A.
- Thermal Current (Ith): 10A.
- Rated Insulation Voltage (Ui): 500V.
- Withstand Voltage (Uimp): 2500V.
- Short Circuit Overload Protection: Fuse Externally 10A. (FF)
- Explosion Proof Contact Block Classification: Optional  
EEEx d IIC T6  
PTB 00 ATEX 1093X IBEExU 01 ATEX 1007X
- Contact Arrangement: 1 NC 1 N/O or 2NC or 3NC 1NO or 2NC 2NO
- Rated Voltage: 250V a.c
- Rated Current: 4A a.c



All Dimensions in mm



Sales Number	Type	Conduit	Contacts	Fittings
141001	GLHD	4 x M20	4NC 2NO	LED E Stop
141002	GLHD	4 x 1/2" NPT	4NC 2NO	LED E Stop
141003	GLHDEx	3m. 4 core Ex	1NC 1NO	E Stop
141014	GLHDEx	3m. 4 core Ex	3NC 1NO	E Stop
141017	GLHDEx	3m. 4 core Ex	2NC	E Stop
141018	GLHDEx	3m. 4 core Ex	2NC 2NO	E Stop

# Guardian Line Heavy Duty - Type GLHD-SS Stainless Steel

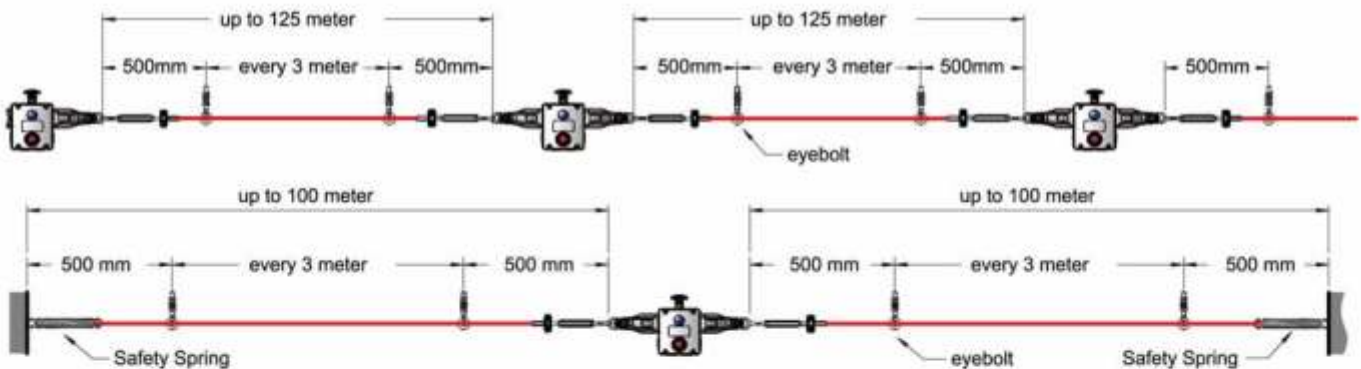
Protection up to 250 meters



The GLHD-SS is a Heavy Duty Safety Rope Pull switch designed to protect long conveyor lengths up to 250m. The Stainless Steel 316 housings are designed specifically to withstand the tough environments found in the Food and Pharmaceutical industries. They will survive chemical and detergent washdown by providing all stainless steel parts and robust IP67 sealing by using integral bellows and gaskets.

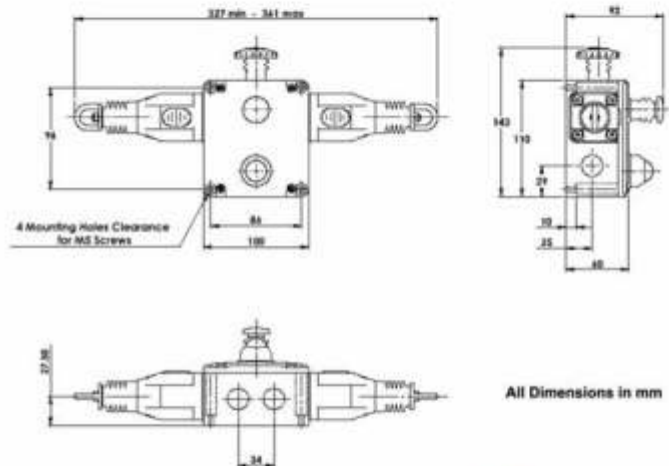
A bi-colour LED ensures switch status can be seen easily from a distance. They have 4NC 2NO contacts to ensure flexibility with all modern control applications and optional Explosion Proof contact blocks are available.

Shorter rope spans up to 200m. can be achieved by using just one switch therefore making a cost effective solution and also reducing electrical wiring runs.



It is recommended when using a Safety Spring that a maximum of one corner pulley is used.

- Standards: IEC 947-5-1 IEC947-5-5 EN 418  
UL508 BS 5304
- Approvals: cULus TUV
- Enclosure / Cover: Stainless Steel 316
- External Parts: Stainless Steel
- IP Rating: IP67
- Rope Spans: Dual Head 250m.
- Rope Tension device: IDEM Tensioner / Gripper – Quick Fixing
- Rope Type: 4.0 mm Outside Dia. Steel inner – PVC sheath
- Mounting: 4 x M5
- Mounting position: Any
- Conduit entries: 4 x M20 or 4 x 1/2" NPT by part number
- Mounting Torque: M5 4.0 Nm  
Lid T20 Torx M4 1.5 Nm  
Terminals 1.0 Nm
- Ambient Temperature: -25C. 80 C.
- Vibration resistance: 10-500Hz 0.35mm
- Shock resistance: 15g 11ms
- Tension Force (typical mid setting): 130N.
- Typical Operating Force (Rope pulled): < 125N. < 300mm Deflection
- Mechanical Life: 1,000,000 operations
- Weight: 2000 g.
- Contact type: IEC 947-5-1 Double break Type Zb  
Snap Action up to 4NC (positive break)  
2NO (Auxiliary)
- Contact Material: Silver
- Termination: Clamp up to 2.5 sq. mm conductors
- Rating: Utilisation Category: AC15 A300
- Operational Rating: 240V, 3A.
- Thermal Current (Ith): 10A.
- Rated Insulation Voltage (Ui): 500V.
- Withstand Voltage (Uimp): 2500V.
- Short Circuit Overload Protection: Fuse Externally 10A. (FF)
- Explosion Proof Contact Block: Optional
- Classification: EEx d IIC T6  
PTB 00 ATEX 1093X IBE XU 01 ATEX 1007X
- Contact Arrangement: 1 N/C 1 N/O or 2NC or 3NC 1NO or 2NC 2NO
- Rated Voltage: 250V a.c
- Rated Current: 4A a.c



Pre-wired Ex versions



Sales Number	Type	Conduit	Contacts	Fittings
145001	GLHD	4 x M20	4NC 2NO	LED E Stop
145002	GLHD	4 x 1/2" NPT	4NC 2NO	LED E Stop
145003	GLHDEx	3m. 4 core Ex	1NC 1NO	E Stop
145014	GLHDEx	3m. 4 core Ex	3NC 1NO	E Stop
145017	GLHDEx	3m. 4 core Ex	2NC	E Stop
145018	GLHDEx	3m. 4 core Ex	2NC 2NO	E Stop