



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
UL and C-UL listed



ER1022

Rope Pull Emergency Stop Switch

- Long rope spans up to 125 m (410 ft.) makes this switch ideal for applications where long rope spans are required
- Heavy-duty housing—the die-cast housing and stainless steel eye nut make the ER1022 suitable for demanding industrial applications
- IP67 (NEMA 6) enclosure enables the ER1022 switch to withstand water washdown cleaning
- Integral E-stop—the E-stop button provides emergency stopping capability at the extreme end of the installation and is field serviceable
- Tension indicator—the tension indicator makes the system easy to set up and to maintain the proper rope tension
- 4 N/C safety contacts and 2 N/O auxiliary contacts satisfy the most demanding applications
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration
- Long life—the ER1022 switch is designed for a minimum of one million actuations
- Indicator beacon—the indicator beacon can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch

G

safety interlock switches

■ Operation



Blue Reset Knob

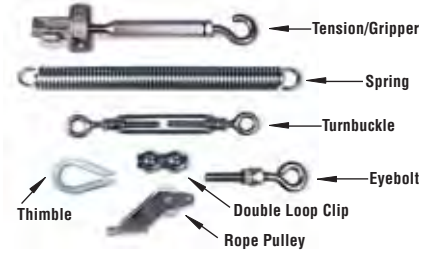
A blue reset button is provided to easily return the unit back to its machine-run position after actuation.

Installation Hardware Available



RK Rope Tension Kit

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.



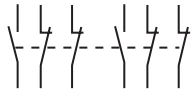
Installation Hardware

Individual hardware items may be purchased for specific installation requirements.

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safety interlock switches

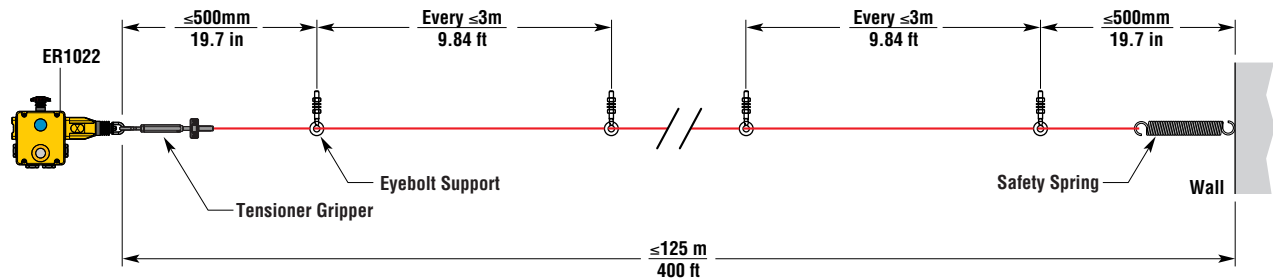
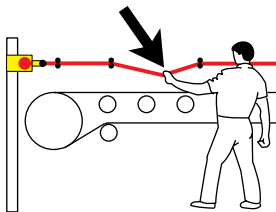
Contact Arrangements



| | 0 mm 0 in | 4.0 0.16 | 15.0 0.59 | 17.0 0.67 |
|-----------|--------------|---------------|--------------|--------------|
| 4NC + 2NO | Rope Slack | Tension Range | | Rope Pulled |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 41/42 | | | | |
| 51/52 | | | | |
| 63/64 | | | | |

Contact Open Contact Closed

Mounting Specification



Note: Some installations may require a ER1022 on each end.

For a guide to installing, see "Proper Installation of Rope or Wire Pull Switches" in the Engineering Section of this catalog.



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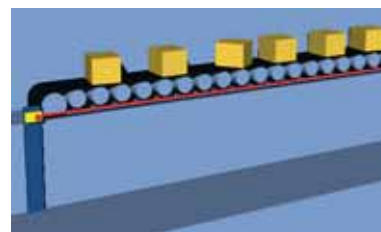
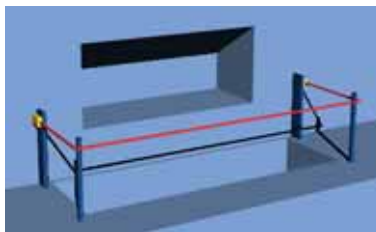
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■ Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



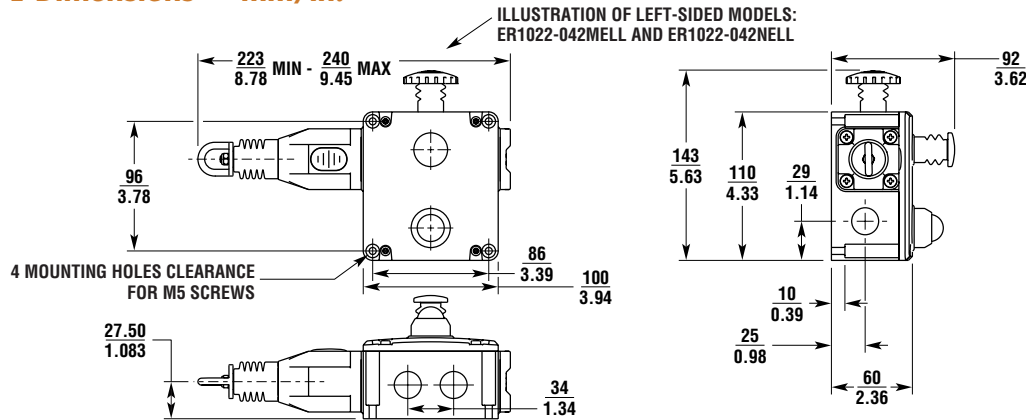
■ Specifications

| Electrical | All Models |
|--|---------------------------------|
| Contact Configurations: | 4 N/C + 2 N/O |
| Safety Contacts: | 4 N/C |
| Switching Ability | |
| AC: | 240 V–3 A, 120 V–6 A, Inductive |
| DC: | 24 V–2.5 A, Inductive |
| Auxiliary Contacts: | 2 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum |
| Mechanical | |
| Mounting: | Any position |
| Mounting Hardware: | 4 x M5 screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page |
| Max Rope Span: | 125 m (410 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless steel |
| Wiring Entry: | 4 x M20 or 3 x 0.5 in. NPT |
| Weight: | 1100 g (39 oz.) |
| Color: | Yellow |
| Mechanical Life: | 1 x 10 ⁶ minimum |
| Environmental | |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

■ Dimensions — mm/in.



■ Ordering

| Model | E-Stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
|--|----------|------------------|---------------|-----------------|------------|
| ER1022-042MELL | Included | Included | 4 N/C + 2 N/O | 4 x M20 | 44506-6410 |
| ER1022-042NELL | Included | Included | 4 N/C + 2 N/O | 4 x 1/2 in. NPT | 44506-6420 |
| ER1022-042MELR | Included | Included | 4 N/C + 2 N/O | 4 x M20 | 44506-6510 |
| ER1022-042NELR | Included | Included | 4 N/C + 2 N/O | 4 x 1/2 in. NPT | 44506-6520 |
| SM06-SL710, Replacement Lid/LED | | | | | 44506-6710 |
| RK5, 5 m Rope Kit, Stainless Steel | | | | | 44506-2705 |
| RK10, 10 m Rope Kit, Stainless Steel | | | | | 44506-2710 |
| RK15, 15 m Rope Kit, Stainless Steel | | | | | 44506-2715 |
| RK20, 20 m Rope Kit, Stainless Steel | | | | | 44506-2720 |
| RK30, 30 m Rope Kit, Stainless Steel | | | | | 44506-2730 |
| RK50, 50 m Rope Kit, Stainless Steel | | | | | 44506-2750 |
| RK80, 80 m Rope Kit, Stainless Steel | | | | | 44506-2780 |
| RK100, 100 m Rope Kit, Stainless Steel | | | | | 44506-2711 |
| RK126, 126 m Rope Kit, Stainless Steel | | | | | 44505-2726 |
| R5M, 5 m Rope Only | | | | | 44506-3705 |
| R10M, 10 m Rope Only | | | | | 44506-3710 |
| R20M, 20 m Rope Only | | | | | 44506-3720 |
| R30M, 30 m Rope Only | | | | | 44506-3730 |
| R50M, 50 m Rope Only | | | | | 44506-3750 |
| R80M, 80 m Rope Only | | | | | 44506-3780 |
| R100M, 100 m Rope Only | | | | | 44506-3711 |
| R126M, 126 m Rope Only | | | | | 44506-3726 |
| SM06-TG00, Tensioner Gripper, Stainless Steel | | | | | 44506-4700 |
| SM06-EB10, Eye Bolt Stainless Steel, 8 per pack | | | | | 44506-4710 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | | | | | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | | | | | 44506-4721 |
| SM06-THSS, Thimble Stainless Steel, 4 per pack | | | | | 44506-4770 |
| SM06-THGV, Thimble Galvanized, 4 per pack | | | | | 44506-4771 |
| SM06-TB30, Turnbuckle, Stainless Steel | | | | | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | | | | | 44506-4731 |
| SM06-SP50, Spring, Stainless Steel | | | | | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | | | | | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | | | | | 44506-4760 |



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
UL and C-UL listed



ER1032

Rope Pull Emergency Stop Switch

- Long rope spans up to 200 m (656 ft.) makes this switch ideal for applications where long rope spans are required
- Heavy-duty housing—the die-cast housing and stainless steel eye nut make the ER1032 suitable for demanding industrial applications
- IP67 (NEMA 6) enclosure enables the ER1032 switch to withstand water washdown cleaning
- Integral E-stop—the E-stop button provides emergency stopping capability at the extreme end of the installation and is field serviceable
- Tension indicator—the tension indicator makes the system easy to set up and to maintain the proper rope tension
- 4 N/C safety contacts and 2 N/O auxiliary contacts satisfy the most demanding applications
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration
- Long life—the ER1032 switch is designed for a minimum of one million actuations
- Indicator beacon—the indicator beacon can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch

G

safety interlock switches

■ Operation



Blue Reset Knob

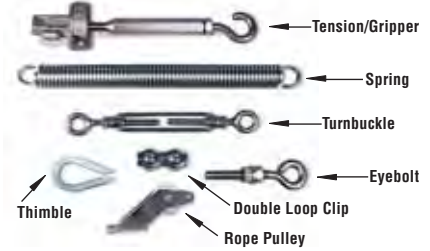
A blue reset button is provided to easily return the unit back to its machine-run position after actuation.

Installation Hardware Available



RK Rope Tension Kit

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.



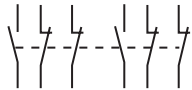
Installation Hardware

Individual hardware items may be purchased for specific installation requirements.

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safety interlock switches

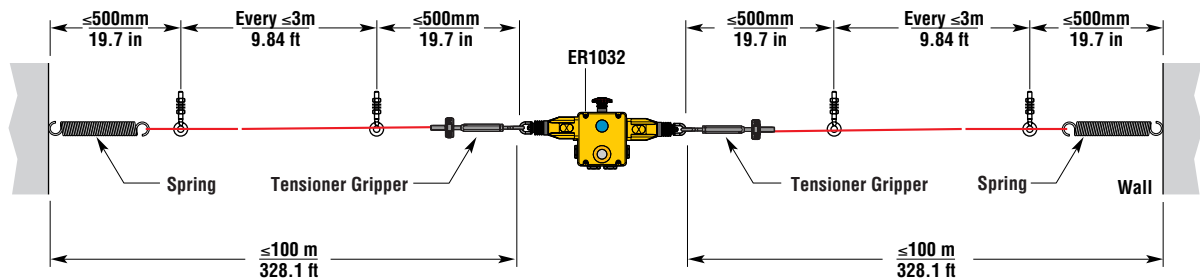
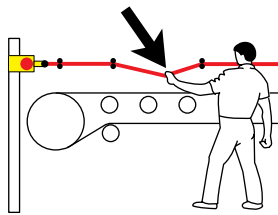
Contact Arrangements



| | 0 mm 0 in | 4.0 0.16 | 15.0 0.59 | 17.0 0.67 |
|-----------|--------------|---------------|--------------|--------------|
| 4NC + 2NO | Rope Slack | Tension Range | | Rope Pulled |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 41/42 | | | | |
| 51/52 | | | | |
| 63/64 | | | | |

□ Contact Open ■ Contact Closed

Mounting Specification



Note: Some installations may require a ER1022 on each end.



For a guide to installing, see "Proper Installation of Rope or Wire Pull Switches" in the Engineering Section of this catalog.



Go to the Engineering Guide
For in-depth information on safety standards and use.



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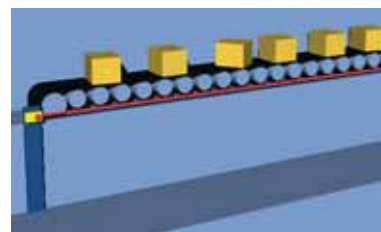
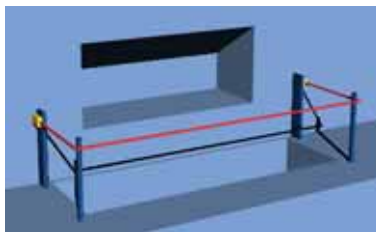
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■ Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



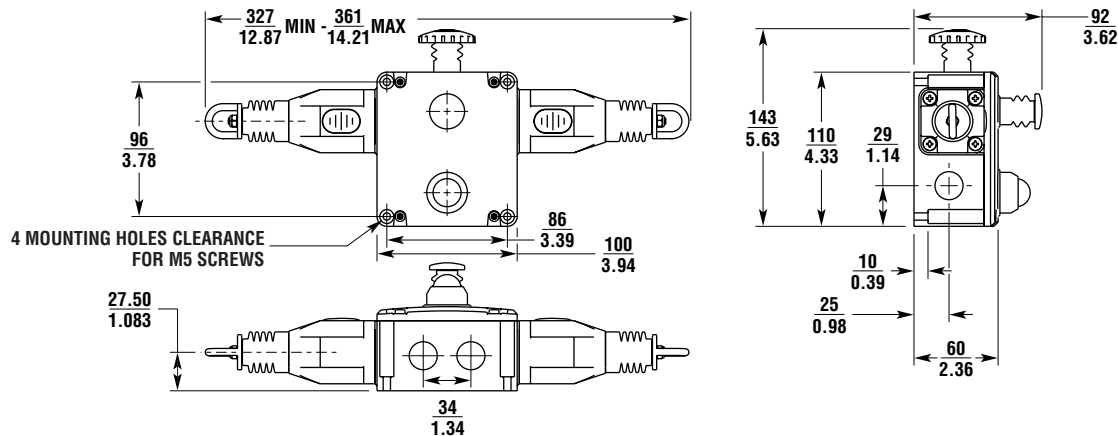
■ Specifications

| Electrical | All Models |
|--|---------------------------------|
| Contact Configurations: | 4 N/C + 2 N/O |
| Safety Contacts: | 4 N/C |
| Switching Ability | |
| AC: | 240 V–3 A, 120 V–6 A, Inductive |
| DC: | 24 V–2.5 A, Inductive |
| Auxiliary Contacts: | 2 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum |
| Mechanical | |
| Mounting: | Any position |
| Mounting Hardware: | 4 x M5 screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page |
| Max Rope Span: | 125 m (410 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless steel |
| Wiring Entry: | 4 x M20 or 4 x 0.5 in. NPT |
| Weight: | 1320 g (42 oz.) |
| Color: | Yellow |
| Mechanical Life: | 1 x 10 ⁶ minimum |
| Environmental | |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

■ Dimensions — mm/in.



G

safety interlock switches

■ Ordering

| Model | E-Stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
|--|----------|------------------|---------------|-----------------|------------|
| ER1032-042MEL | Included | Included | 4 N/C + 2 N/O | 4 x M20 | 44506-7410 |
| ER1032-042NEL | Included | Included | 4 N/C + 2 N/O | 4 x 1/2 in. NPT | 44506-7420 |
| SM06-SL711, Replacement Lid/LED | | | | | 44506-7710 |
| RK5, 5 m Rope Kit, Stainless Steel | | | | | 44506-2705 |
| RK10, 10 m Rope Kit, Stainless Steel | | | | | 44506-2710 |
| RK15, 15 m Rope Kit, Stainless Steel | | | | | 44506-2715 |
| RK20, 20 m Rope Kit, Stainless Steel | | | | | 44506-2720 |
| RK30, 30 m Rope Kit, Stainless Steel | | | | | 44506-2730 |
| RK50, 50 m Rope Kit, Stainless Steel | | | | | 44506-2750 |
| RK80, 80 m Rope Kit, Stainless Steel | | | | | 44506-2780 |
| RK100, 100 m Rope Kit, Stainless Steel | | | | | 44506-2711 |
| RK126, 126 m Rope Kit, Stainless Steel | | | | | 44505-2726 |
| R5M, 5 m Rope Only | | | | | 44506-3705 |
| R10M, 10 m Rope Only | | | | | 44506-3710 |
| R20M, 20 m Rope Only | | | | | 44506-3720 |
| R30M, 30 m Rope Only | | | | | 44506-3730 |
| R50M, 50 m Rope Only | | | | | 44506-3750 |
| R80M, 80 m Rope Only | | | | | 44506-3780 |
| R100M, 100 m Rope Only | | | | | 44506-3711 |
| R126M, 126 m Rope Only | | | | | 44506-3726 |
| SM06-TG00, Tensioner Gripper, Stainless Steel | | | | | 44506-4700 |
| SM06-EB10, Eye Bolt Stainless Steel, 8 per pack | | | | | 44506-4710 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | | | | | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | | | | | 44506-4721 |
| SM06-THSS, Thimble Stainless Steel, 4 per pack | | | | | 44506-4770 |
| SM06-THGV, Thimble Galvanized, 4 per pack | | | | | 44506-4771 |
| SM06-TB30, Turnbuckle, Stainless Steel | | | | | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | | | | | 44506-4731 |
| SM06-SP50, Spring, Stainless Steel | | | | | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | | | | | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | | | | | 44506-4760 |



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
UL and C-UL listed



G

safety interlock switches

ER5018

Compact Rope Pull Emergency Stop Switch

- Compact size allows this switch to be used on smaller machines with a mounting width of 40 mm (1.57 in.) and covering rope spans up to 40 m (131 ft.)
- Tension indicator—the tension indicator makes the system easy to set up and to maintain the proper rope tension
- Contact arrangements of 2 N/C + 1 N/O or 3 N/C
- IP67 (NEMA 6) enclosure enables the ER5018 switch to withstand water washdown cleaning
- Heavy-duty housing—the die-cast housing and stainless steel eye nut makes the ER5018 suitable for demanding industrial applications
- Integral E-Stop—the optional E-stop provides emergency stopping at the extreme end of the installation
- Reset button—the blue reset button must be pushed in order to return to “machine run” condition following switch actuation by a pulled or slacked rope
- Long life—the ER5018 switch is designed for a minimum of one million actuations
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration



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■ Operation



Blue Reset Knob

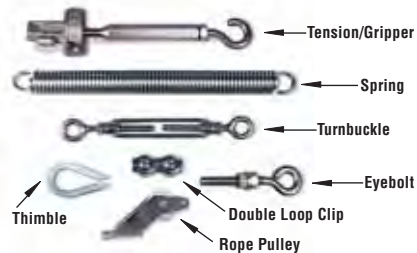
A blue reset button is provided to easily return the unit back to its machine-run position after actuation.

Installation Hardware Available



RK Rope Tension Kit

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.



Installation Hardware

Individual hardware items may be purchased for specific installation requirements.

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safety interlock switches



Emergency Push Button

The emergency push button may be installed or repositioned in the field. The ER5018 has two possible mounting positions for the emergency stop button.

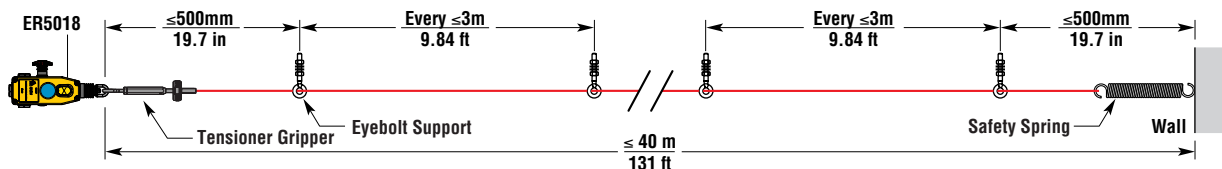
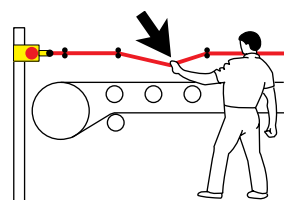
Contact Arrangements



| | 0 mm 0 in | 3.5 0.14 | 14.5 0.57 | 17.0 0.67 |
|--------------------|--------------|---------------|--------------|--------------|
| 2NC + 1NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 3NC Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 31/32 | | | | |

Contact Open Contact Closed

Mounting Specification

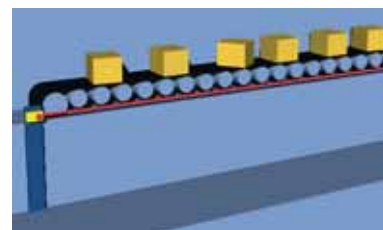
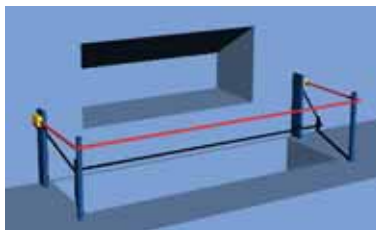


Note: Some installations may require a ER5018 on each end.

For a guide to installing, see "Proper Installation of Rope or Wire Pull Switches" in the Engineering Section of this catalog.

■ Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



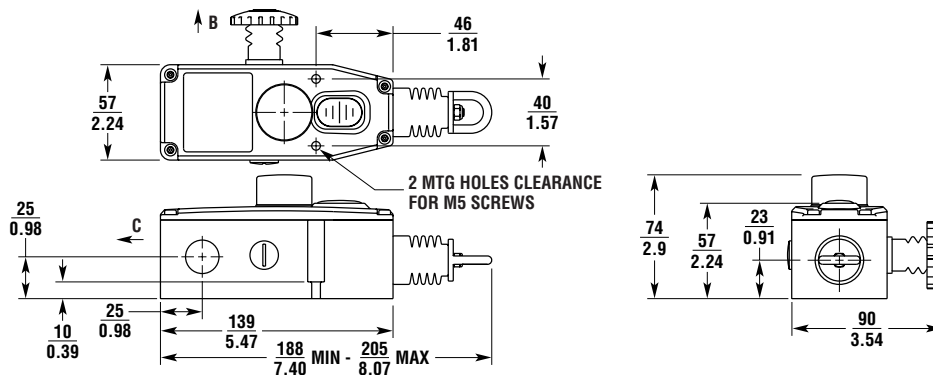
■ Specifications

| Electrical | All Models |
|--|---------------------------------|
| Contact Configurations: | 2 N/C + 1 N/O, 3 N/C |
| Safety Contacts: | 2 N/C, 3 N/C |
| Switching Ability | |
| AC: | 120 V–6 A, 240 V–3 A, Inductive |
| DC: | 24 V–2.5 A, Inductive |
| Auxiliary Contacts: | 1 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum |
| Mechanical | |
| Mounting: | Any position |
| Mounting Hardware: | 2 x M5 screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page |
| Max Rope Span: | 40 m (131 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless steel |
| Wiring Entry: | 3 x M20 or 3 x 0.5 in. NPT |
| Weight: | 675 g (23.8 oz.) |
| Color: | Yellow |
| Mechanical Life: | 1 x 10 ⁶ minimum |
| Environmental | |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

■ Dimensions — mm/in.



■ Ordering

| Model | E-Stop | Contacts | Wiring Entry | Part No. |
|--|--------------|---------------|-----------------|------------|
| ER5018-021M | Not included | 2 N/C + 1 N/O | 3 x M20 | 44506-4010 |
| ER5018-021N | Not included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-4020 |
| ER5018-030M | Not included | 3 N/C | 3 x M20 | 44506-4030 |
| ER5018-030N | Not included | 3 N/C | 3 x 1/2 in. NPT | 44506-4040 |
| ER5018-021ME | Included | 2 N/C + 1 N/O | 3 x M20 | 44506-4110 |
| ER5018-021NE | Included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-4120 |
| ER5018-030ME | Included | 3 N/C | 3 x M20 | 44506-4130 |
| ER5018-030NE | Included | 3 N/C | 3 x 1/2 in. NPT | 44506-4140 |
| SM06-SL400, Replacement Lid | | | | 44506-3700 |
| RK5, 5 m Rope Kit, Stainless Steel | | | | 44506-2705 |
| RK10, 10 m Rope Kit, Stainless Steel | | | | 44506-2710 |
| RK15, 15 m Rope Kit, Stainless Steel | | | | 44506-2715 |
| RK20, 20 m Rope Kit, Stainless Steel | | | | 44506-2720 |
| RK30, 30 m Rope Kit, Stainless Steel | | | | 44506-2730 |
| RK50, 50 m Rope Kit, Stainless Steel | | | | 44506-2750 |
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| R50M, 50 m Rope Only | | | | 44506-3750 |
| R80M, 80 m Rope Only | | | | 44506-3780 |
| R100M, 100 m Rope Only | | | | 44506-3711 |
| R126M, 126 m Rope Only | | | | 44506-3726 |
| SM06-TG00, Tensioner Gripper, Stainless Steel | | | | 44506-4700 |
| SM06-EB10, Eye Bolt Stainless Steel, 8 per pack | | | | 44506-4710 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | | | | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | | | | 44506-4721 |
| SM06-THSS, Thimble Stainless Steel, 4 per pack | | | | 44506-4770 |
| SM06-THGV, Thimble Galvanized, 4 per pack | | | | 44506-4771 |
| SM06-TB30, Turnbuckle, Stainless Steel | | | | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | | | | 44506-4731 |
| SM06-SP50, Spring, Stainless Steel | | | | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | | | | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | | | | 44506-4760 |



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
UL and C-UL listed



G

safety interlock switches

ER6022

Rope Pull Emergency Stop Switch

- Long rope spans up to 80 m (262 ft.) means fewer number of switches required per application
- Tension indicator—the tension indicator makes the system easy to set up and to maintain the proper rope tension
- Contact arrangements of 2 N/C + 1 N/O or 3 N/C
- IP67 (NEMA 6) enclosure enables the ER6022 switch to withstand water washdown cleaning
- Heavy-duty housing—the die-cast housing and stainless steel eye nut makes the ER6022 suitable for demanding industrial applications
- Reset button—the blue reset button must be pushed in order to return to “machine run” condition following switch actuation by a pulled or slacked rope
- Long life—the ER6022 switch is designed for a minimum of one million actuations
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration
- Indicator beacon—the optional dual indicator beacon, available in 24 VDC, can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch
- E-stop button—the ER6022 has two mounting positions where the optional E-stop button may be installed; the E-stop button may be added or replaced in the field



Go to the Engineering Guide
For in-depth information on safety standards and use.



■ Operation



Blue Reset Knob

A blue reset button is provided to easily return the unit back to its machine-run position after actuation.



Emergency Push Button

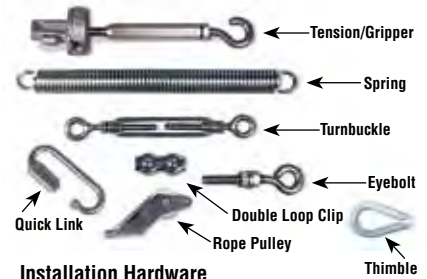
The emergency push button may be installed or repositioned in the field. The ER6022 has two possible mounting positions for the emergency stop button.

Installation Hardware Available



RK Rope Tension Kit

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.



Installation Hardware

Individual hardware items may be purchased for specific installation requirements.

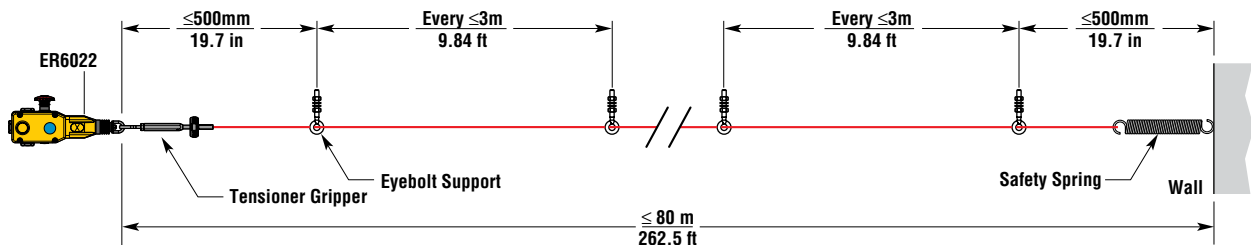
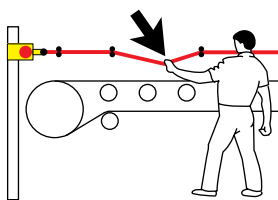
Contact Arrangements



| | 0 mm 0 in | 3.5 0.14 | 14.5 0.57 | 17.0 0.67 |
|---------------------------|--------------|---------------|--------------|--------------|
| 2NC + 1NO Versions | Rope Slack | Tension Range | | Rope Pulled |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 3NC Versions | Rope Slack | Tension Range | | Rope Pulled |
| 11/12 | | | | |
| 21/22 | | | | |
| 31/32 | | | | |

Contact Open Contact Closed

Mounting Specification



Note: Some installations may require a ER6022 on each end.

For a guide to installing, see "Proper Installation of Rope or Wire Pull Switches" in the Engineering Section of this catalog.

G safety interlock switches

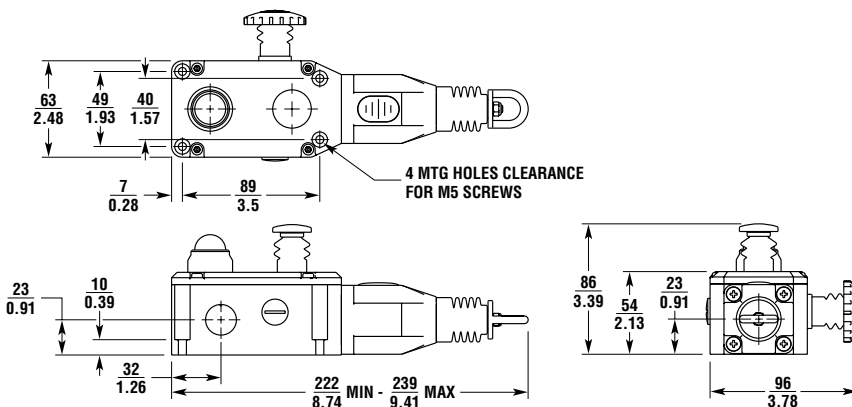
■ Specifications

| Electrical | All Models |
|--|--|
| Contact Configurations: | 2 N/C + 1 N/O, 3 N/C |
| Safety Contacts: | 2 N/C, 3 N/C |
| Switching Ability | AC: 240 V–3 A, 120 V–6 A, Inductive, DC: 24 V–2.5 A, Inductive |
| Auxiliary Contacts: | 1 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum |
| LED Indicator Beacon: | 24 VDC |
| Mechanical | |
| Mounting: | Any position |
| Mounting Hardware: | 4 x M5 screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page |
| Max Rope Span: | 80 m (262 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless steel |
| Wiring Entry: | 3 x M20 or 3 x 0.5 in. NPT |
| Weight: | 880 g (31 oz.) |
| Color: | Yellow |
| Mechanical Life: | 1 x 10 ⁶ minimum |
| Environmental | |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown |
| Compliance | |
| Standards: | IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304 |
| Approvals/Listings: | CE marked for all applicable directives, UL and C-UL |

Specifications are subject to change without notice.

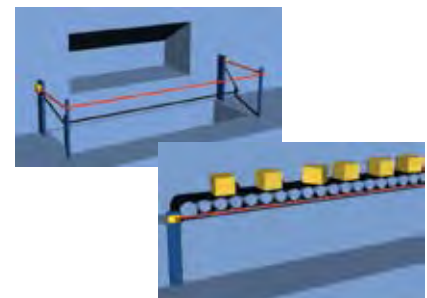
Note: The safety contacts of the Omron STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

■ Dimensions — mm/in.



■ Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



■ Ordering

| Model | E-Stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
|---------------|--------------|-------------------|---------------|-----------------|------------|
| ER6022-021M | Not included | Not included | 2 N/C + 1 N/O | 3 x M20 | 44506-5010 |
| ER6022-021N | Not included | Not included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5020 |
| ER6022-030M | Not included | Not included | 3 N/C | 3 x M20 | 44506-5030 |
| ER6022-030N | Not included | Not included | 3 N/C | 3 x 1/2 in. NPT | 44506-5040 |
| ER6022-021ML | Not included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x M20 | 44506-5110 |
| ER6022-021NL | Not included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5120 |
| ER6022-030ML | Not included | Included (24 VDC) | 3 N/C | 3 x M20 | 44506-5130 |
| ER6022-030NL | Not included | Included (24 VDC) | 3 N/C | 3 x 1/2 in. NPT | 44506-5140 |
| ER6022-021ME | Included | Not included | 2 N/C + 1 N/O | 3 x M20 | 44506-5210 |
| ER6022-021NE | Included | Not included | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5220 |
| ER6022-030ME | Included | Not included | 3 N/C | 3 x M20 | 44506-5230 |
| ER6022-030NE | Included | Not included | 3 N/C | 3 x 1/2 in. NPT | 44506-5240 |
| ER6022-021MEL | Included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x M20 | 44506-5410 |
| ER6022-021NEL | Included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5420 |
| ER6022-030MEL | Included | Included (24 VDC) | 3 N/C | 3 x M20 | 44506-5430 |
| ER6022-030NEL | Included | Included (24 VDC) | 3 N/C | 3 x 1/2 in. NPT | 44506-5440 |

| | Part No. |
|--|------------|
| SM06-SL500, Replacement Lid 24 VDC | 44506-5700 |
| SM06-SL510, Replacement Lid/LED | 44506-5710 |
| SM06-SL510AC, Replacement Lid/LED 120 VAC (consult factory for complete switch with 120 VAC beacon) | 44506-5711 |
| RK5, 5 m Rope Kit, Stainless Steel | 44506-2705 |
| RK10, 10 m Rope Kit, Stainless Steel | 44506-2710 |
| RK15, 15 m Rope Kit, Stainless Steel | 44506-2715 |
| RK20, 20 m Rope Kit, Stainless Steel | 44506-2720 |
| RK30, 30 m Rope Kit, Stainless Steel | 44506-2730 |
| RK50, 50 m Rope Kit, Stainless Steel | 44506-2750 |
| RK80, 80 m Rope Kit, Stainless Steel | 44506-2780 |
| R5M, 5 m Rope Only | 44506-3705 |
| R10M, 10 m Rope Only | 44506-3710 |
| R20M, 20 m Rope Only | 44506-3720 |
| R30M, 30 m Rope Only | 44506-3730 |
| R50M, 50 m Rope Only | 44506-3750 |
| R80M, 80 m Rope Only | 44506-3780 |
| R100M, 100 m Rope Only | 44506-3711 |
| R126M, 126 m Rope Only | 44506-3726 |

| | Part No. |
|--|------------|
| SM06-TG00, Tensioner Gripper, Stainless Steel | 44506-4700 |
| SM06-EB10, Eye Bolt Stainless Steel, 8 per pack | 44506-4710 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | 44506-4721 |
| SM06-THSS, Thimble Stainless Steel, 4 per pack | 44506-4770 |
| SM06-THGV, Thimble Galvanized, 4 per pack | 44506-4771 |
| SM06-QLSS, Quick Link Stainless Steel | 44506-4772 |
| SM06-TB30, Turnbuckle, Stainless Steel | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | 44506-4731 |
| SM06-SP50, Spring, Stainless Steel | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | 44506-4760 |
| SM06-LF40, Replacement LED Indicator Beacon, 24 VDC | 44506-4740 |
| SM06-LF41, Replacement LED Indicator Beacon, 120 VAC | 44506-4741 |

G

safety interlock switches



Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304



G

safety interlock switches

ER6022-SS and XER6022-SS

Stainless Steel Rope Pull Emergency Stop Switch

- Long rope spans up to 100 m (328 ft.) means fewer number of switches required per application
- Tension indicator—the tension indicator makes the system easy to set up and to maintain the proper rope tension
- Contact arrangements of 3 N/C + 1 N/O or 2 N/C + 2 N/O available for ER6022-SS models; Contact arrangement of 1 N/C + 1 N/O or 2 N/C available for XER6022-SS models
- IP67 (NEMA 6) enclosure enables these switches to withstand water washdown cleaning
- Heavy-duty housing—the 316 stainless steel cast housing and stainless steel hardware make the ER6022-SS and XER6022-SS suitable for demanding industrial applications
- Reset button—the blue reset button must be pushed in order to return to “machine run” condition following switch actuation by a pulled or slacked rope
- Long life—the ER6022-SS and XER6022-SS switches are designed for a minimum of one million actuations
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration
- Indicator beacon—the dual indicator beacon is optional on the ER6022-SS; the indicator beacon can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch
- E-stop button—the ER6022-SS and XER6022-SS have two mounting positions where the optional E-stop button may be installed; the E-stop button may be added or replaced in the field



■ Operation



Blue Reset Knob

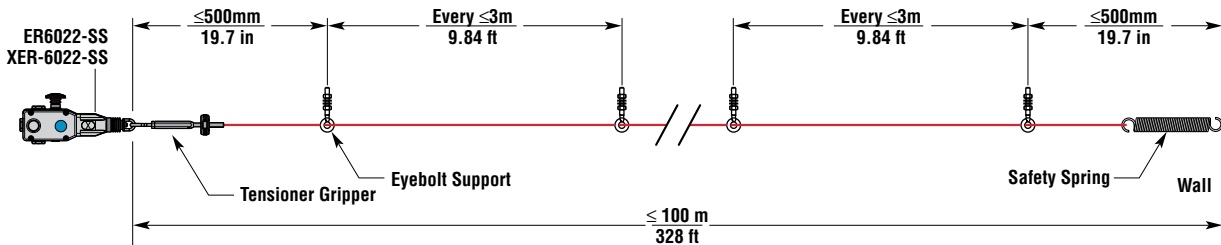
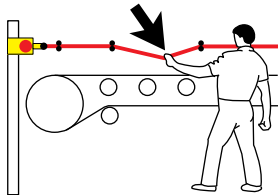
A blue reset button is provided to easily return the unit back to its machine-run position after actuation.



Emergency Push Button

The emergency push button may be installed or repositioned in the field. The ER6022-SS and XER6022-SS have two possible mounting positions for the emergency stop button. To assure compliance with all applicable European and Canadian standards, the supplied yellow background label must be applied.

Mounting Specification



Note: Some installations may require a ER6022-SS/XER6022-SS on each end.

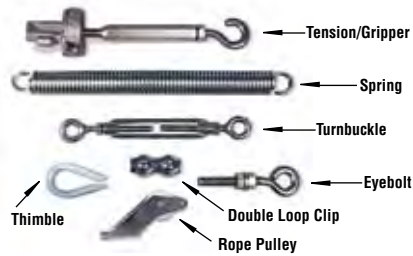
For a guide to installing, see "Proper Installation of Rope or Wire Pull Switches" in the Engineering Section of this catalog.

Installation Hardware Available



RK Rope Tension Kit

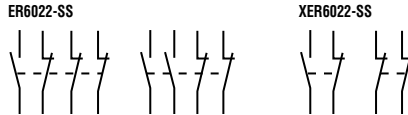
The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.



Installation Hardware

Individual hardware items may be purchased for specific installation requirements.

Contact Arrangements



| ER6022-SS | 0 mm 0 in | 3.5 0.14 | 14.5 0.57 | 17.0 0.67 |
|----------------------------|--------------|---------------|--------------|--------------|
| 3NC + 1NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 43/44 | | | | |
| 2NC + 2NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| 11/12 | | | | |
| 21/22 | | | | |
| 33/34 | | | | |
| 43/44 | | | | |
| XER6022-SS | 0 mm 0 in | 3.5 0.14 | 14.5 0.57 | 17.0 0.67 |
| 2NC Versions | Rope Slack | Tension Range | Rope Pulled | |
| Brown/Blue | | | | |
| Black/Black | | | | |
| 1NC + 1 NO Versions | Rope Slack | Tension Range | Rope Pulled | |
| Brown/Blue | | | | |
| Black/Black | | | | |

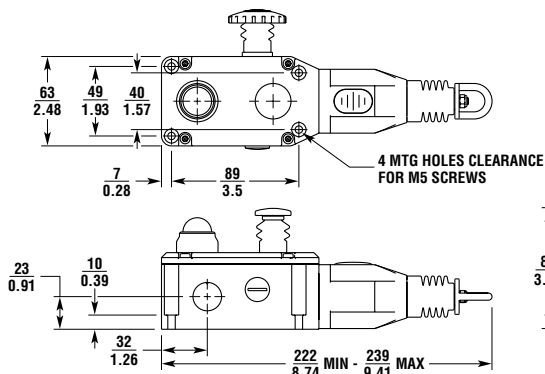
Contact Open Contact Closed

■ Specifications

| Electrical | ER6022-SS | XER6022-SS |
|--|--|---|
| Ex Classification: | | II 2 G EEx d II C T6 |
| Certification: | | PTB 00 ATEX 1093X IBExU 01 ATEX 1007X |
| Contact Configurations: | 3 N/C + 1 N/O, 2 N/C + 2 N/O | 1 N/C + 1 N/O, 2 N/C |
| Safety Contacts: | 2 N/C, 3 N/C | 1 N/C, 2 N/C |
| Switching Ability | AC: 240 V—3 A, 120 V—6 A, Inductive DC: 24 V—2.5 A, Inductive | 250 V—3 A, 125 V—3A, Inductive 30 V—5 A, Inductive |
| Auxiliary Contacts: | 1 N/O, 2 N/O | 1 N/O |
| Max Switching Current/Volt/Amp: | 240 V/720 VA | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC | 5 V 5 mA DC |
| Electrical Life: | 1 x 10 ⁶ minimum | 1 x 10 ⁶ minimum |
| LED Indicator Beacon: | 24 VDC | N/A |
| Mechanical | | |
| Mounting: | Any position | Any position |
| Mounting Hardware: | 4 x M5 screws | 4 x M5 screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page | See diagrams on previous page |
| Max Rope Span: | 100 m (328 ft.) | 100 m (328 ft.) |
| Operation Force: | < 125 N (28 lb.) | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | 130 N (23 lb.) typical | 130 N (23 lb.) typical |
| Case Material: | Die-cast aluminum alloy | 316 stainless steel casting |
| Eye Nut Material: | Stainless steel | Stainless steel |
| Wiring Entry: | 3 x M20 or 3 x 0.5 in. NPT | 3 m cable |
| Weight: | 880 g (31 oz.) | 1750 g (62 oz.) |
| Color: | Natural | Natural |
| Mechanical Life: | 1 x 10 ⁶ minimum | 1 x 10 ⁶ minimum |
| Environmental | | |
| Protection: | IP67 (NEMA 6) | IP67 (NEMA 6) |
| Operating Temperature: | -25 to 80°C (-13 to 176°F) | -25 to 80°C (-13 to 176°F) |
| Cleaning: | Water washdown | Water washdown |
| Compliance | | |
| Standards: | IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304 | |
| Approvals/Listings: | CE marked for all applicable directives (UL and C-UL pending, TUV pending) | |

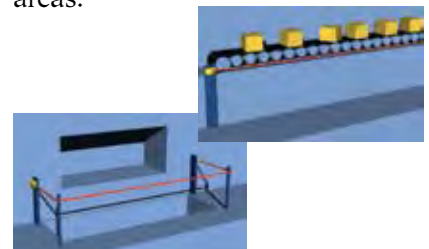
Specifications are subject to change without notice. Note: The safety contacts of the Omron STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

■ Dimensions — mm/in.



■ Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.



■ Ordering

| Model | E-Stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
|-------------------|--------------|-------------------|---------------|-----------------|------------|
| ER6022-SS | | | | | |
| ER6022-022MSS | Not included | Not included | 2 N/C + 2 N/O | 3 x M20 | 44506-5810 |
| ER6022-022NSS | Not included | Not included | 2 N/C + 2 N/O | 3 x 1/2 in. NPT | 44506-5820 |
| ER6022-031MSS | Not included | Not included | 3 N/C + 1 N/O | 3 x M20 | 44506-5830 |
| ER6022-031NSS | Not included | Not included | 3 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5840 |
| ER6022-022MESS | Included | Not included | 2 N/C + 2 N/O | 3 x M20 | 44506-5850 |
| ER6022-022NESS | Included | Not included | 2 N/C + 2 N/O | 3 x 1/2 in. NPT | 44506-5860 |
| ER6022-031MESS | Included | Not included | 3 N/C + 1 N/O | 3 x M20 | 44506-5870 |
| ER6022-031NESS | Included | Not included | 3 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5880 |
| ER6022-022MLSS | Not included | Included (24 VDC) | 2 N/C + 2 N/O | 3 x M20 | 44506-5910 |
| ER6022-022NLSS | Not included | Included (24 VDC) | 2 N/C + 2 N/O | 3 x 1/2 in. NPT | 44506-5920 |
| ER6022-031MLSS | Not included | Included (24 VDC) | 3 N/C + 1 N/O | 3 x M20 | 44506-5930 |
| ER6022-031NLSS | Not included | Included (24 VDC) | 3 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5940 |
| ER6022-022MELSS | Included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x M20 | 44506-5950 |
| ER6022-022NELSS | Included | Included (24 VDC) | 2 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5960 |
| ER6022-031MELSS | Included | Included (24 VDC) | 3 N/C + 1 N/O | 3 x M20 | 44506-5970 |
| ER6022-031NELSS | Included | Included (24 VDC) | 3 N/C + 1 N/O | 3 x 1/2 in. NPT | 44506-5980 |
| XER6022-SS | | | | | |
| ER6022-011C3SS | Not included | N/A | 1 N/C + 1 N/O | 3 m cable | 44506-5610 |
| ER6022-020C3SS | Not included | N/A | 2 N/C | 3 m cable | 44506-5620 |

| | Part No. |
|---|------------|
| SM06-SLXER6022SS, Replacement Lid for ER6022-SS and XER6022-SS without LED | 44506-5730 |
| SM06-SLER6022LSS, Replacement Lid for ER6022-SS with LED 24 VDC | 44506-5740 |
| SM06-SLER6022LSSAC, Replacement Lid for ER6022-SS with LED 120 VAC (consult factory for complete switch with 120 VAC beacon) | 44506-5741 |
| RK5, 5 m Rope Kit, Stainless Steel | 44506-2705 |
| RK10, 10 m Rope Kit, Stainless Steel | 44506-2710 |
| RK15, 15 m Rope Kit, Stainless Steel | 44506-2715 |
| RK20, 20 m Rope Kit, Stainless Steel | 44506-2720 |
| RK30, 30 m Rope Kit, Stainless Steel | 44506-2730 |
| RK50, 50 m Rope Kit, Stainless Steel | 44506-2750 |
| RK80, 80 m Rope Kit, Stainless Steel | 44506-2780 |
| R5M, 5 m Rope Only | 44506-3705 |
| R10M, 10 m Rope Only | 44506-3710 |
| R20M, 20 m Rope Only | 44506-3720 |
| R30M, 30 m Rope Only | 44506-3730 |
| R50M, 50 m Rope Only | 44506-3750 |
| R80M, 80 m Rope Only | 44506-3780 |
| R100M, 100 m Rope Only | 44506-3711 |
| R126M, 126 m Rope Only | 44506-3726 |

| | Part No. |
|--|------------|
| SM06-TG00, Tensioner Gripper, Stainless Steel | 44506-4700 |
| SM06-EB10, Eye Bolt Stainless Steel, 8 per pack | 44506-4710 |
| SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack | 44506-4720 |
| SM06-DL21, Double Loop Clip, Galvanized, 4 per pack | 44506-4721 |
| SM06-THSS, Thimble Stainless Steel, 4 per pack | 44506-4770 |
| SM06-THGV, Thimble Galvanized, 4 per pack | 44506-4771 |
| SM06-TB30, Turnbuckle, Stainless Steel | 44506-4730 |
| SM06-TB31, Turnbuckle, Galvanized | 44506-4731 |
| SM06-SP50, Spring, Stainless Steel | 44506-4750 |
| SM06-RPSS, Rope Pulley, Stainless Steel | 44506-4780 |
| SM06-ES60, E-Stop Mechanism | 44506-4760 |
| SM06-LF40, Replacement LED Indicator Beacon, 24 VDC | 44506-4740 |
| SM06-LF41, Replacement LED Indicator Beacon, 120 VAC | 44506-4741 |

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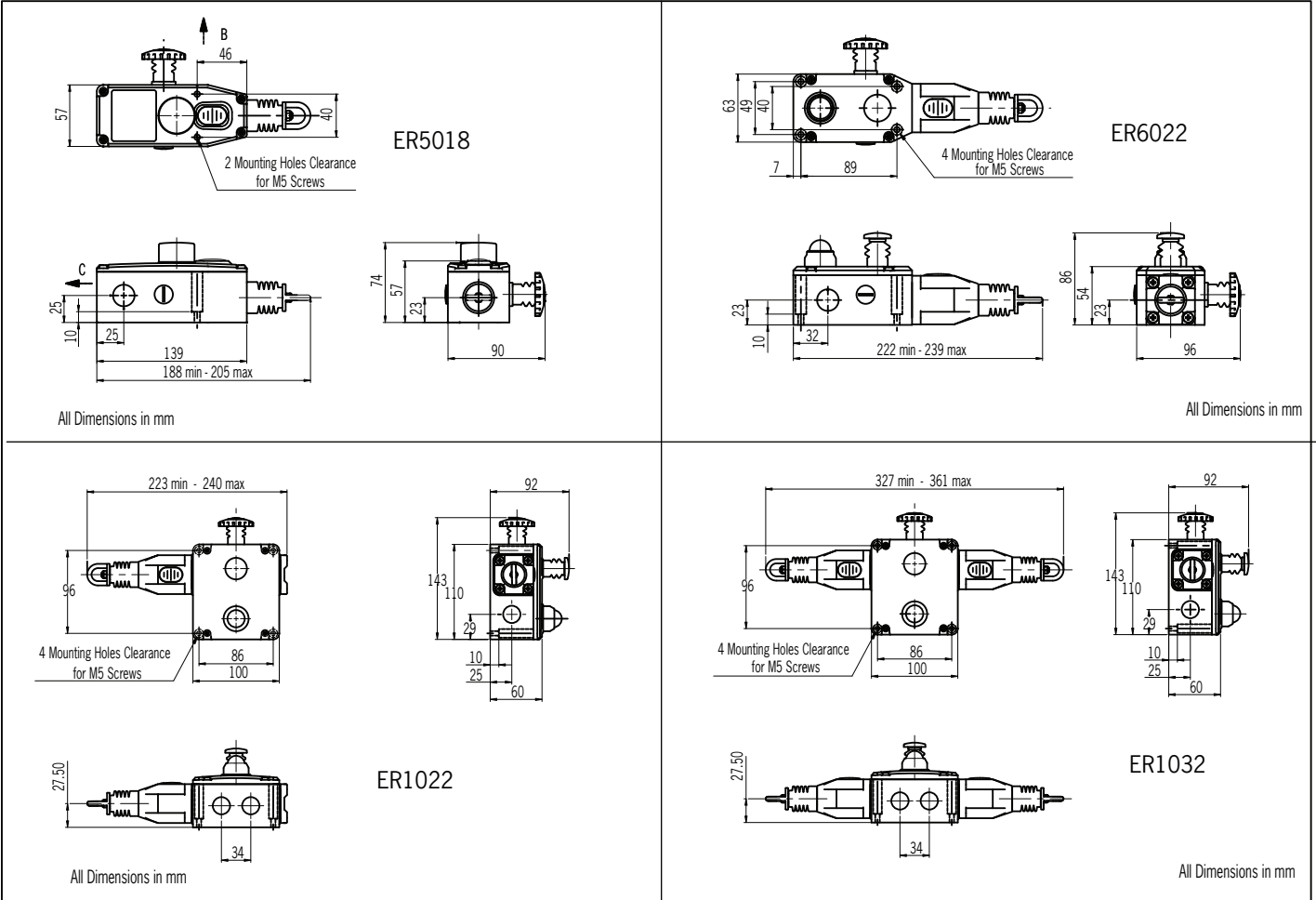
safety interlock switches

ER-Series

Operating Instructions for ER5018, ER6022, ER1022 & ER1032

Installation must be in accordance with the following steps and stated specifications and should be carried out by suitably competent personnel. Adherence to the recommended maintenance instructions forms part of the warranty.

⚠ WARNING: Do not defeat, tamper, remove or bypass this unit. Severe injury to personnel could result.



ER5018

| 0mm | 3.5mm | 14.5mm | 17.0mm |
|------------------|------------|---------------|-------------|
| 2NC 1NO versions | Rope Slack | Tension Range | Rope Pulled |
| 11/12 | | | |
| 21/22 | | | |
| 33/34 | | | |

| 3NC versions | Rope Slack | Tension Range | Rope Pulled |
|--------------|------------|---------------|-------------|
| 11/12 | | | |
| 21/22 | | | |
| 31/32 | | | |

ER6022

| 0mm | 4.0mm | 14.5mm | 17.0mm |
|------------------|------------|---------------|-------------|
| 2NC 1NO versions | Rope Slack | Tension Range | Rope Pulled |
| 11/12 | | | |
| 21/22 | | | |
| 33/34 | | | |

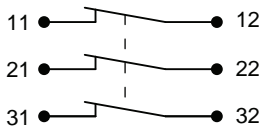
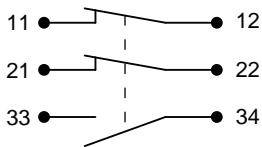
| 3NC versions | Rope Slack | Tension Range | Rope Pulled |
|--------------|------------|---------------|-------------|
| 11/12 | | | |
| 21/22 | | | |
| 31/32 | | | |

ER1022 & ER1032

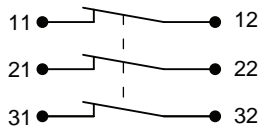
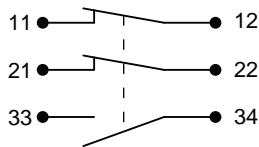
| 0mm | 4.0mm | 15.0mm | 17.0mm |
|-------------|------------|---------------|-------------|
| 4NC 2NO | Rope Slack | Tension Range | Rope Pulled |
| 11/12 41/42 | | | |
| 21/22 51/52 | | | |
| 32/34 63/64 | | | |

| |
|----------------|
| Contact open |
| Contact closed |

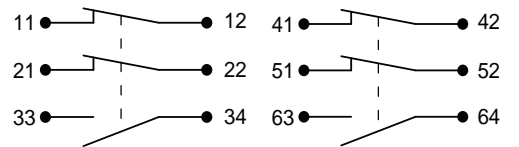
ER5018



ER6022



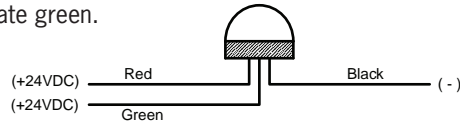
ER1022 & ER1032



Optional Indicator Beacon

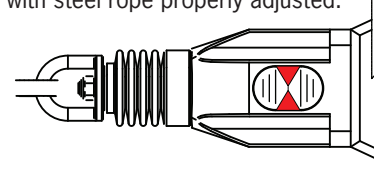
When +24VDC is applied to the **red** wire, the beacon will illuminate red and flash.

When +24 VDC is applied to the **green** wire, the beacon will illuminate green.



Tension Indicator

Indicator shown with steel rope properly adjusted.



1. Installation of all Safety Rope Switch systems must be in accordance with a risk assessment for the individual application. Installation must only be carried out by competent personnel and in accordance with these instructions.

2. Rope support eyebolts must be fitted at 2.5m. min. to 3m. max. intervals along all rope lengths between switches. The rope must be supported no more than 500mm from the switch eyebolt or Safety Spring (if used). It is important that this first 500mm is not used as part of the active protection coverage.

3. M5 mounting bolts must be used to fix the switches. Tightening torque for mounting bolts to ensure reliable fixing is 4Nm. Tightening torque for the lid screws, conduit entry plugs and cable glands must be 1.5Nm to ensure IP seal. Only use correct sizing glands for conduit entry and cable outside diameter.

4. Tensioning of rope is achieved by use of tensioner / gripper assemblies. Upon installation, tension to mid-position as indicated by the red arrows in the viewing window of each switch. Check operation for all switches and the control circuits by pulling the rope at various locations along the active protection area and resetting each switch by depressing the Blue Reset button. Ensure each time that the switches latch off and require manual resetting by depressing the Blue Reset button. Increase the system tension further, if required, depending upon the checks along the active length of coverage. If fitted with a Mushroom type E-Stop button (Red) then test and reset each switch to ensure function of control circuits. Typical operational conditions for successful operation of system is less than 75N. pulling force and less than 150mm deflection of rope between eyebolt supports. If the optional LED is fitted but is not used, ensure that the conductors remain coiled and tied to the tie hole in the LED flange.

5. Every week: Check correct operation of system at locations along all coverage length. Check for nominal tension setting, re-tension rope if necessary. Every 6 months: Isolate power and remove cover. Check screw terminal tightness and check for signs of moisture ingress. Never attempt to repair any switch.

Standards IEC 947-5-1, IEC947-5-5, EN 418, UL508, BS 5304

Approvals cULus, TUV, some pending

Mechanical Features

| | |
|---------------------------------------|---|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Steel |
| IP Rating | IP67 |
| Rope Spans Max | ER1022, ER1032 (Heavy Duty), Dual Head 200m., Single Head 125m. ER6022 (Standard Duty) = 80m. ER5018 (Mini Duty) = 40m. |
| Mounting | 4 x M5 or 2 x M5 (ER5018) |
| Mounting position | Any |
| Conduit entries | ER1022, ER1032 (Heavy Duty) = 4 x M20 or 4 x ½" NPT ER6022 (Standard Duty) = 3 x M20 or 3 x ½" NPT ER5018 (Mini Duty) = 3 x M20 or 3 x ½" NPT |
| Torque settings | Mounting = M5 4.0 Nm Lid = Torx M4 1.5 Nm Terminals = 1.0 Nm |
| Ambient Operating Temperature | -25C. to 80 C. |
| Vibration resistance | 10-500Hz 0.35mm |
| Shock resistance | 15g 11ms |
| Tension Force (typical mid setting) | ER1022, ER1032 (Heavy Duty) 130N. ER6022 (Standard Duty) 130N. ER5018 (Mini Duty) 100N. |
| Typical Operating Force (Rope pulled) | < 125N. < 300mm Deflection |
| Mechanical Life | 1,000,000 operations |
| Weight | ER1022, ER1032 (Heavy Duty) Dual 1320 g. Single 1100 g. ER6022 (Standard Duty) 880 g. ER5018 (Mini Duty) 675 g. |

Electrical

| | |
|------------------------------------|---|
| Contact type | IEC 947-5-1 Double break Type Zb Snap Action up to 4NC (Safety positive break) 2NO (Auxiliary) |
| Contact Material | Silver |
| Termination | Clamp up to 2.5 sq. mm conductors |
| Switching Ability | AC = 240V 3A, 120V 6A, Inductive DC = 24V 2.5A, Inductive 240V / 720 VA Break |
| Max Switching Current / Volt / Amp | 240V / 720 VA Break |
| Information with regard to UL 508 | Use polymeric conduit only. Use copper conductors only. Electrical rating: A300. Type 1 enclosures |



Headquarters

Scientific Technologies Inc.

6550 Dumbarton Circle, Fremont CA 94555-3605 USA

Tel: 1/510/608-3400 (Int. +510/608-3400)

Fax: 1/510/744-1442

24 hour fax back system: 1/916/431-6544

E-mail: sales@sti.com

www.sti.com

European Tech Support

Tel: +49 (0) 52 58 93 87 76

Fax: +49 (0) 52 58 93 56 90

UK Sales Office

Tel: +44 (0) 1395-273-209

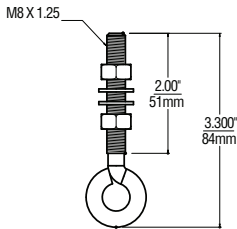
Fax: +44 (0) 1395-276-183

RK-Series Rope Tension Kits and Accessories

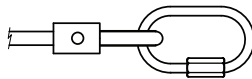
Operating Instructions for Rope Tension Kits and Accessories

RK-Series Rope Kit Hardware Contents

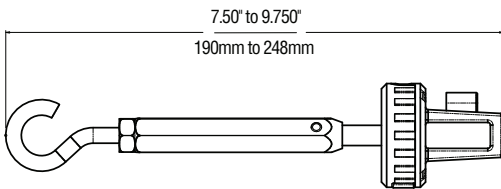
PN 44506-4710
Eye Bolt SS



Quick Link
(only available with the
RK-Series Rope Kit)



4mm Allen Wrench
(only available with
RK-Series Rope Kit)

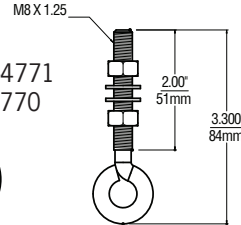


Tensioner Gripper SS
PN 44506-4700

Note: The quantity of Eye Bolts and Tension Grippers depends on the length of the RK-Rope Kit purchased.

Available Optional Hardware (can be ordered individually)

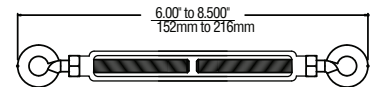
Thimble
Galv: PN 44506-4771
SS: PN 44506-4770



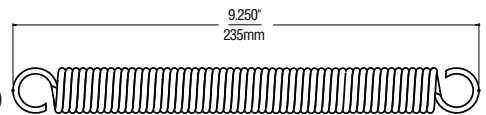
Double Loop Clip
Galv: PN 44506-4721
SS: PN 44506-4720



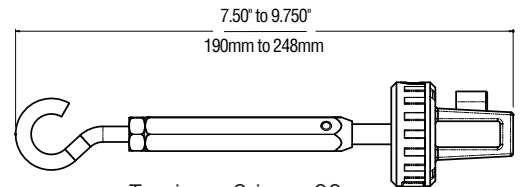
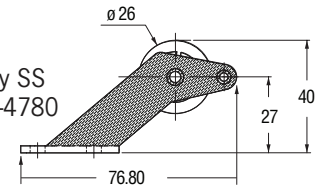
Turnbuckle
Galv: PN44506-4731
SS: PN 44506-4730



Spring SS
PN 44506-4750



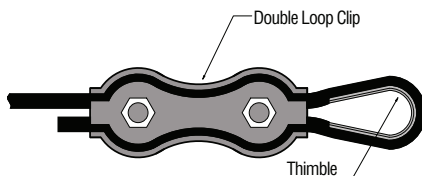
Rope Pulley SS
PN 44506-4780



Tensioner Gripper SS
PN 44506-4700

The Double Loop Clip is used to connect to tensioning hardware or to terminate rope span.

Follow steps 1 through 5 in the illustration below to attach the wire rope to the Tensioner Gripper Assembly.



- Step 1: wire rope enters Tensioner/Gripper hole 1.
- Step 2: pass wire rope through hole 2.
- Step 3: bring wire rope back through hole 3.
- Step 4: loop wire rope and terminate into hole 4.
- Step 5: Tighten Allen head screw with M4 allen key.

