safe-t PRODUCTS

SAFE-T-DRIFT®

PROTECTIVE STOP CONTROL CONVEYOR BELT DRIFT DETECTOR DEVICE

TECHNICAL DOCUMENT

INSTALLATION, DESIGN, TESTING, SETTING INSTRUCTION AND TECHNICAL DOCUMENTATION

PLEASE VISIT OUR YOUTUBE CHANEL OR WEBSITE FOR MORE INFORMATION

YouTube

FOR MORE INFORMATION

www.safe-t-products.com.au

AUSTRALIAN Designed & Manufactured

PUB. No. TD_STD V1.2

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SAFE-T-DRIFT®

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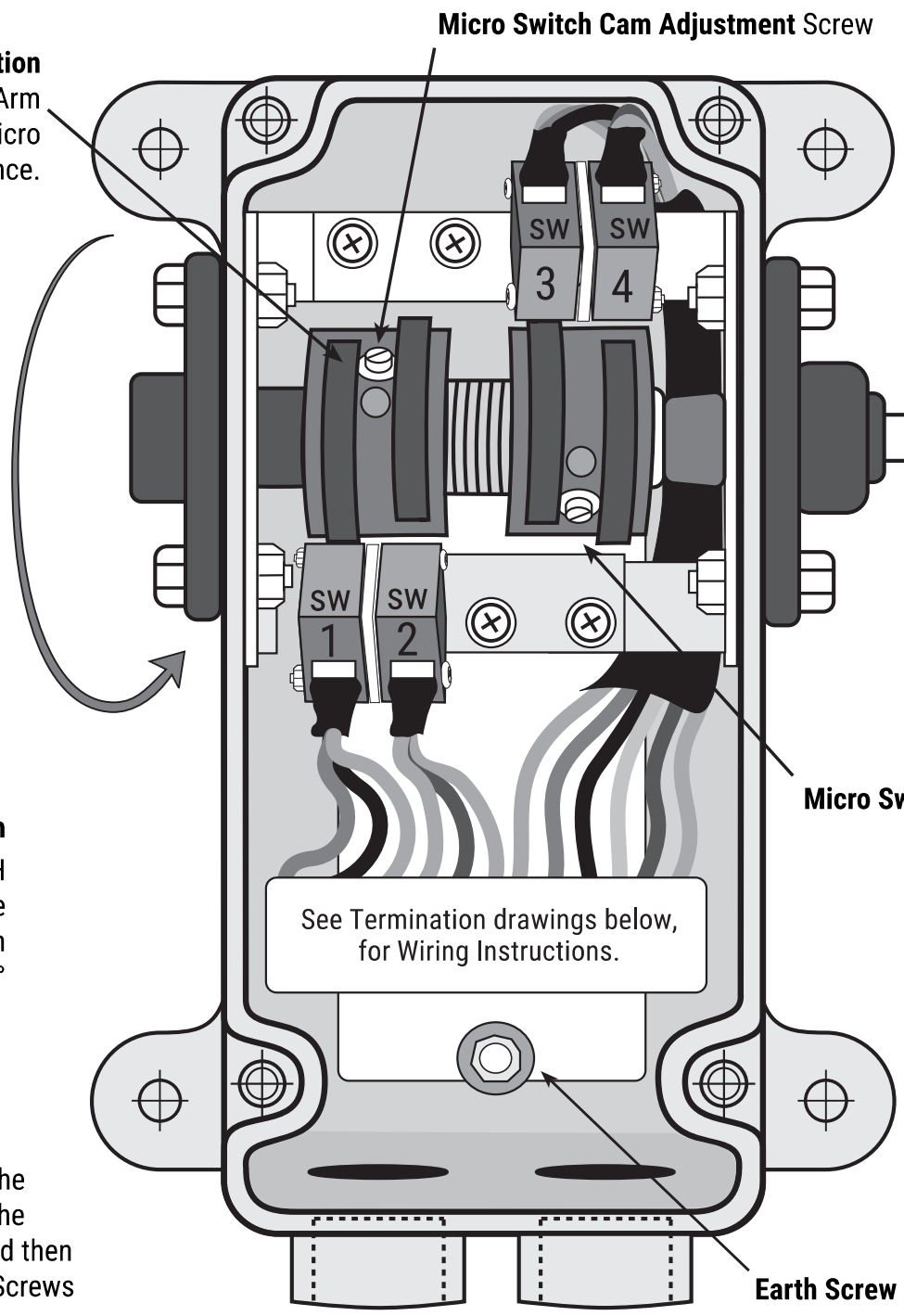
STD–P PROTECTIVE STOP CONTROL BELT MISALIGNMENT DEVICE



Micro Switch Cam Rest Position
See Vertical or Horizontal Arm Installation Instructions for Micro Switch activation sequence.

SW 1 Micro Switch
Is the ALARM SWITCH Factory Preset to switch on when the roller arm moves 5°

SW 1 & SW 2 Cam Rotation

SW 2 Micro Switch
Is the TRIP SWITCH Factory Preset to device on when the roller arm moves 10°

The Alarn & Trip Devices may be adjusted by loosening the Micro Switch Cam Screws and moving the Cams backwards or forwards to the desired Limit Device Set Point, and then re-tighten the Micro Switch Cam Screws for operational use.

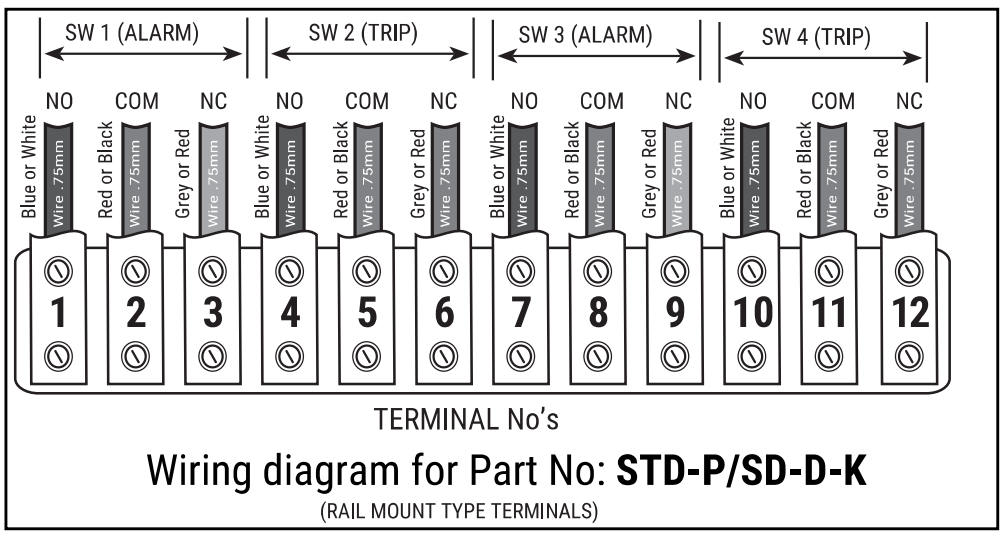
SW 3 & SW 4 Cam Rotation

SW 3 Micro Switch Is the ALARM Device Factory Preset to switch on when the roller arm moves 5°

Micro Switch Cam Adjustment Screw

SW 4 Micro Switch
Is the TRIP Micro SWITCH, Factory Preset to switch on when the roller arm moves 10°

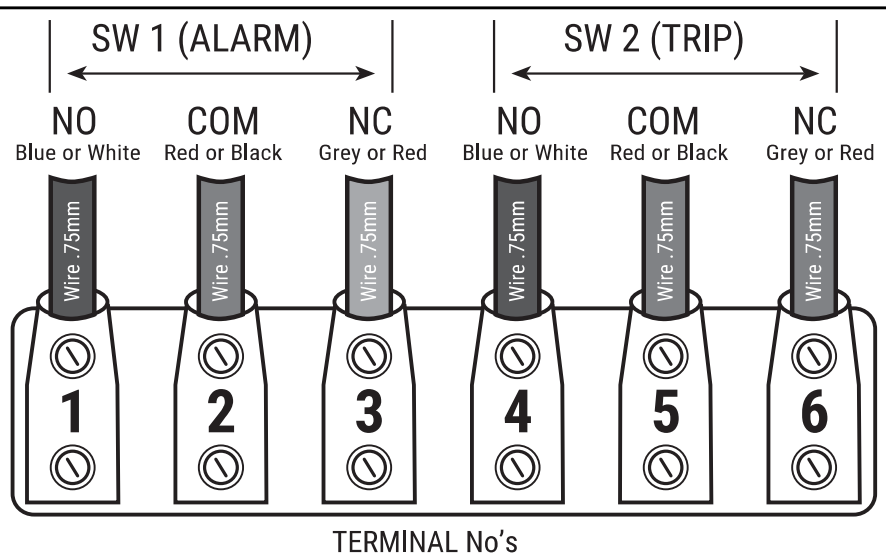
NOTE:
Switches 3 & 4 and Switch 3 & 4 Cam only fitted in Part No's **STD-P/-D** or **STD-P/-D-K**



TERMINAL No's

Wiring diagram for Part No: **STD-P/SD-D-K**

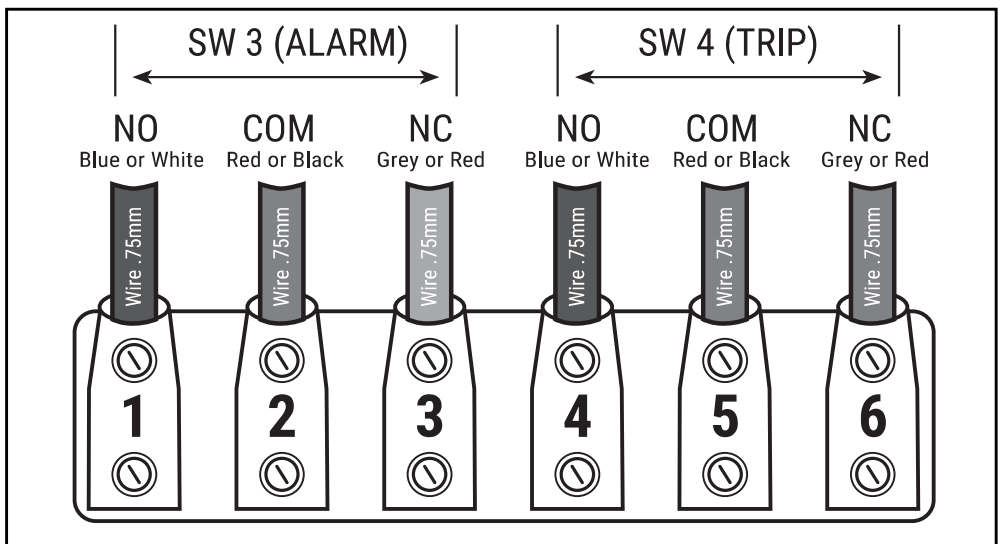
(RAIL MOUNT TYPE TERMINALS)

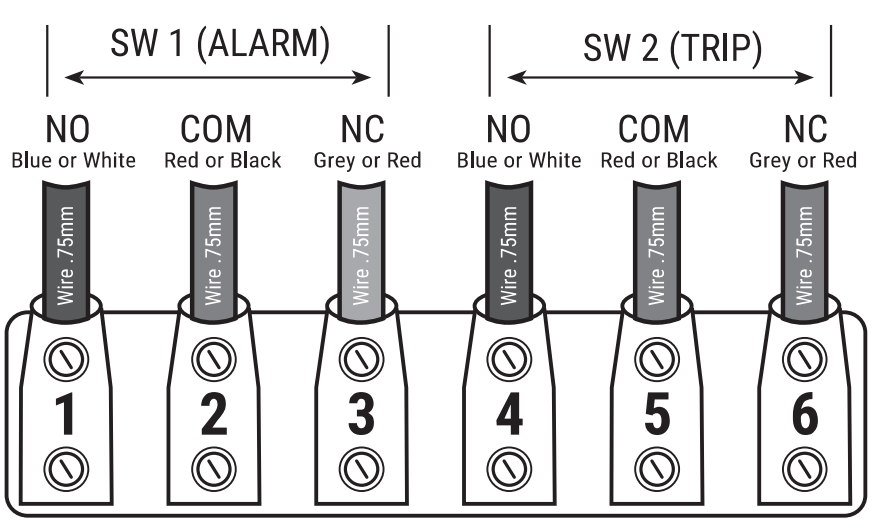


TERMINAL No's

Wiring diagram for Part No: **STD-P/SD**

(TUNNEL TYPE TERMINALS IN **STD-P/SD** or RAIL MOUNT TYPE IN **STD-P-SD**)

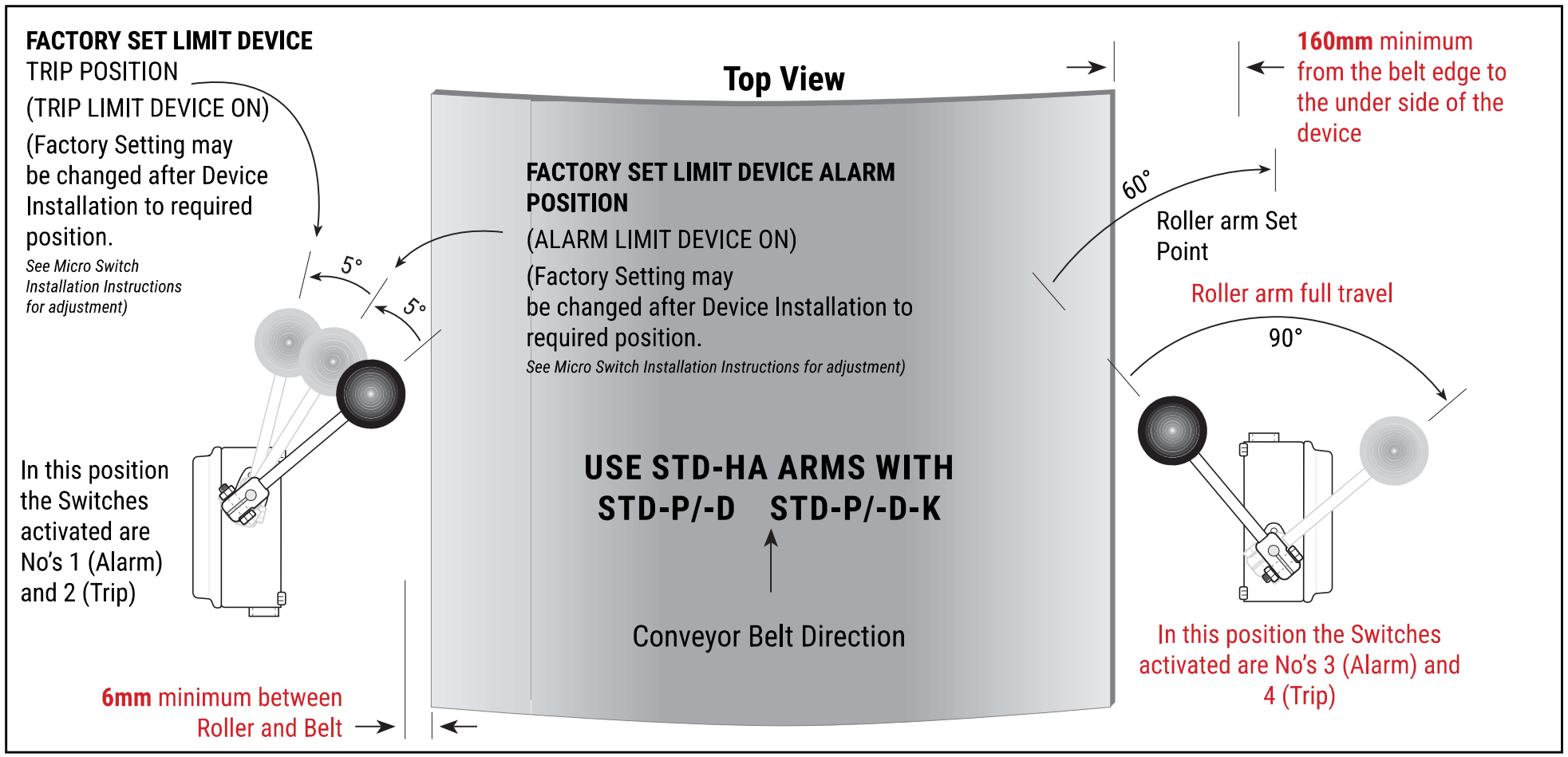


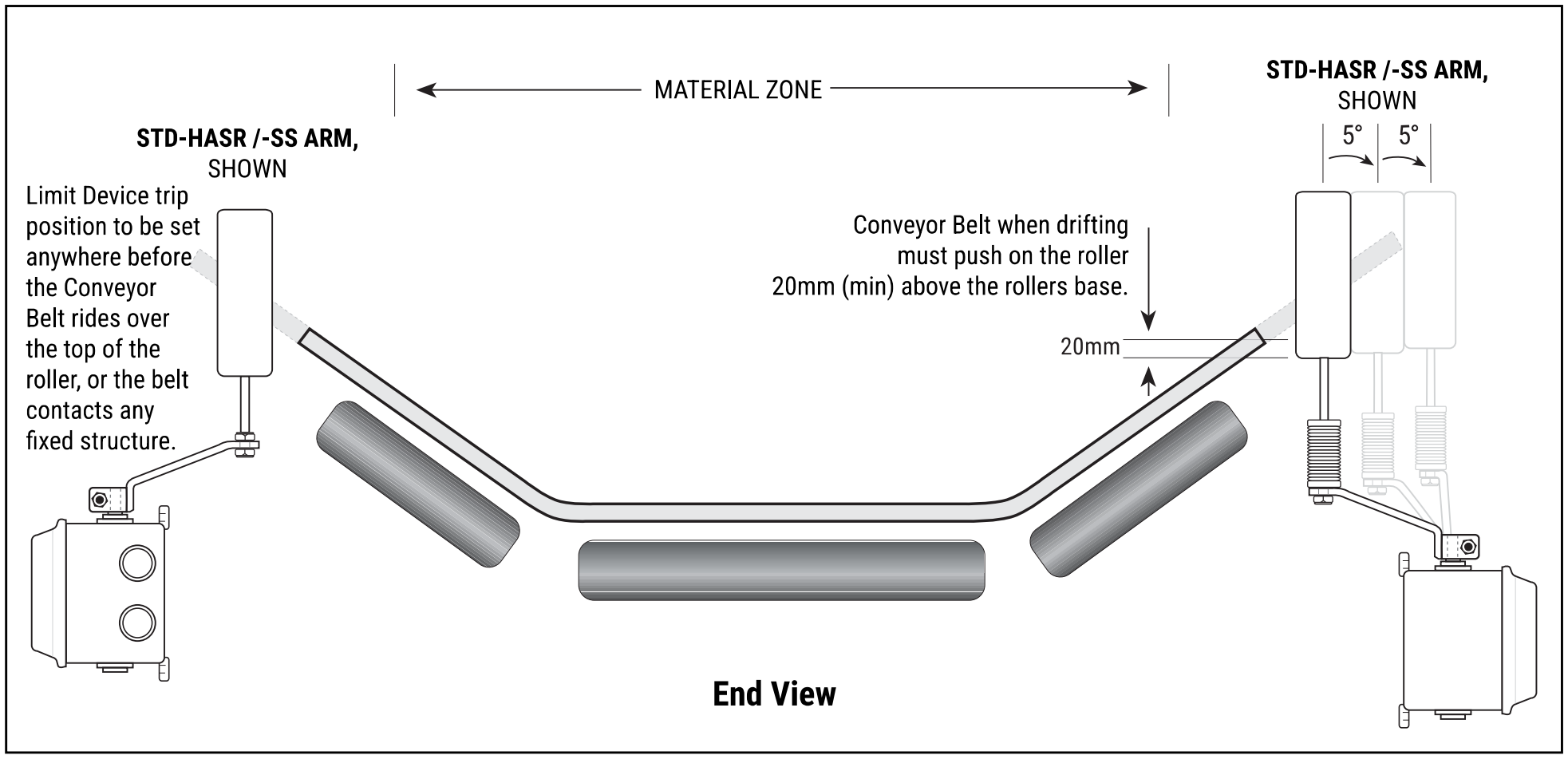


TERMINAL No's

Wiring diagram for Part No: **STD-P/SD-D**

(TUNNEL TYPE TERMINALS)



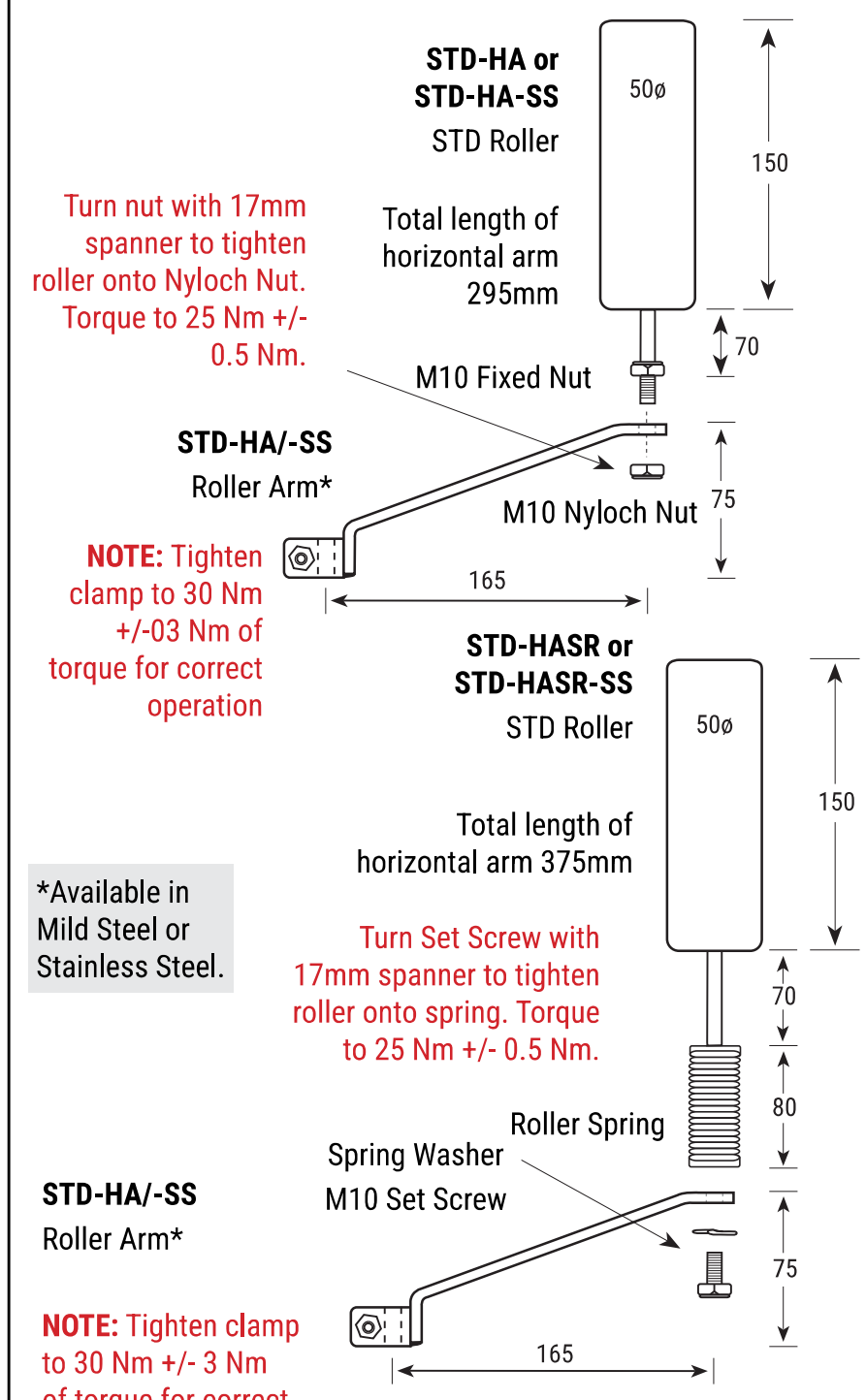


PART NO'S: STD-HA/SS; STD-HASR/SS;

HA ROLLERS ARE USED FOR LARGE ITEMS ON CONVEYOR

Recommended Belt Drift Devices to use with **STD - HA/SS** or **HASR/SS**

STD-P/-D/-? STD-P/-D-K /-?



*Available in Mild Steel or Stainless Steel.

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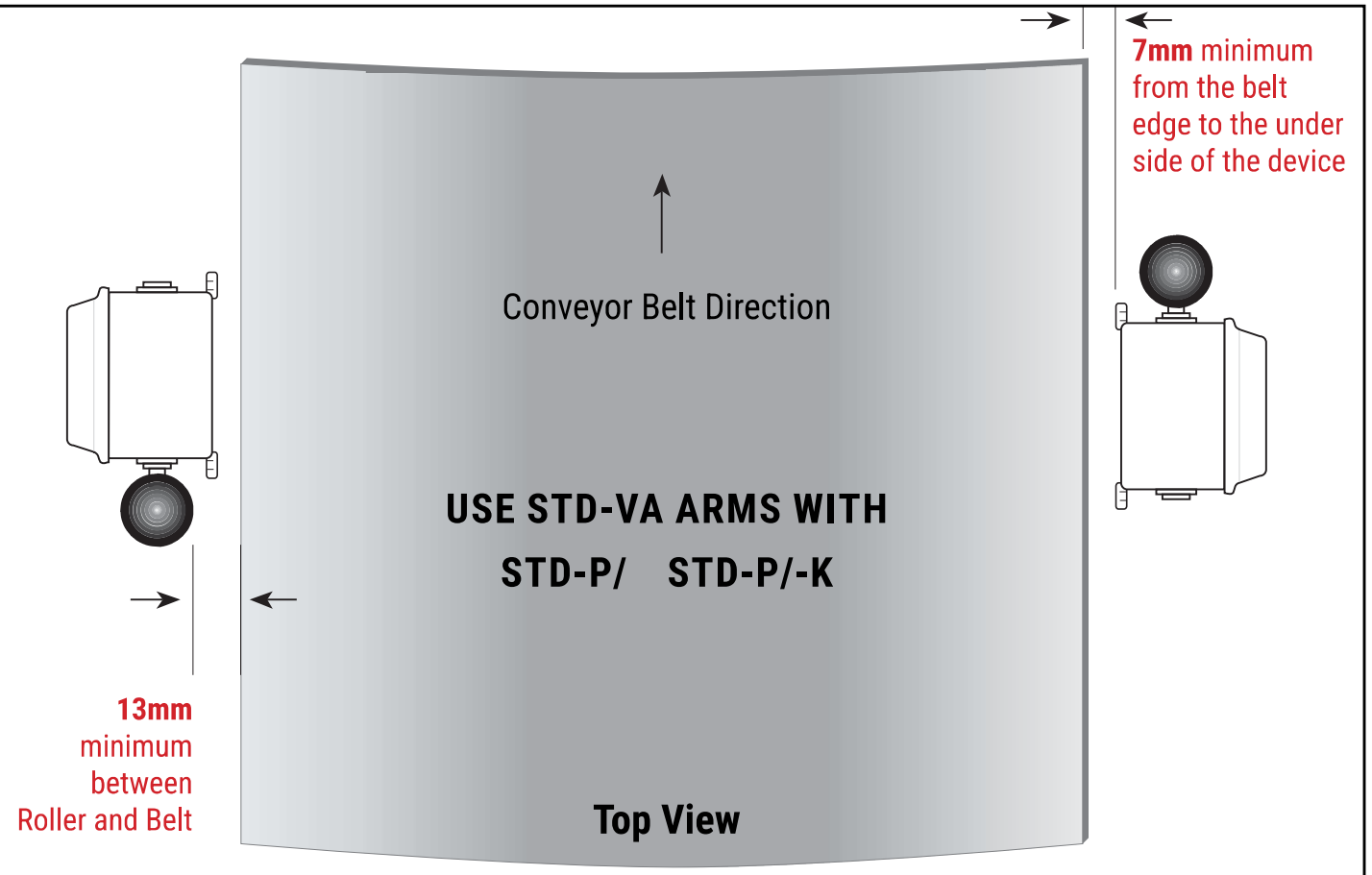
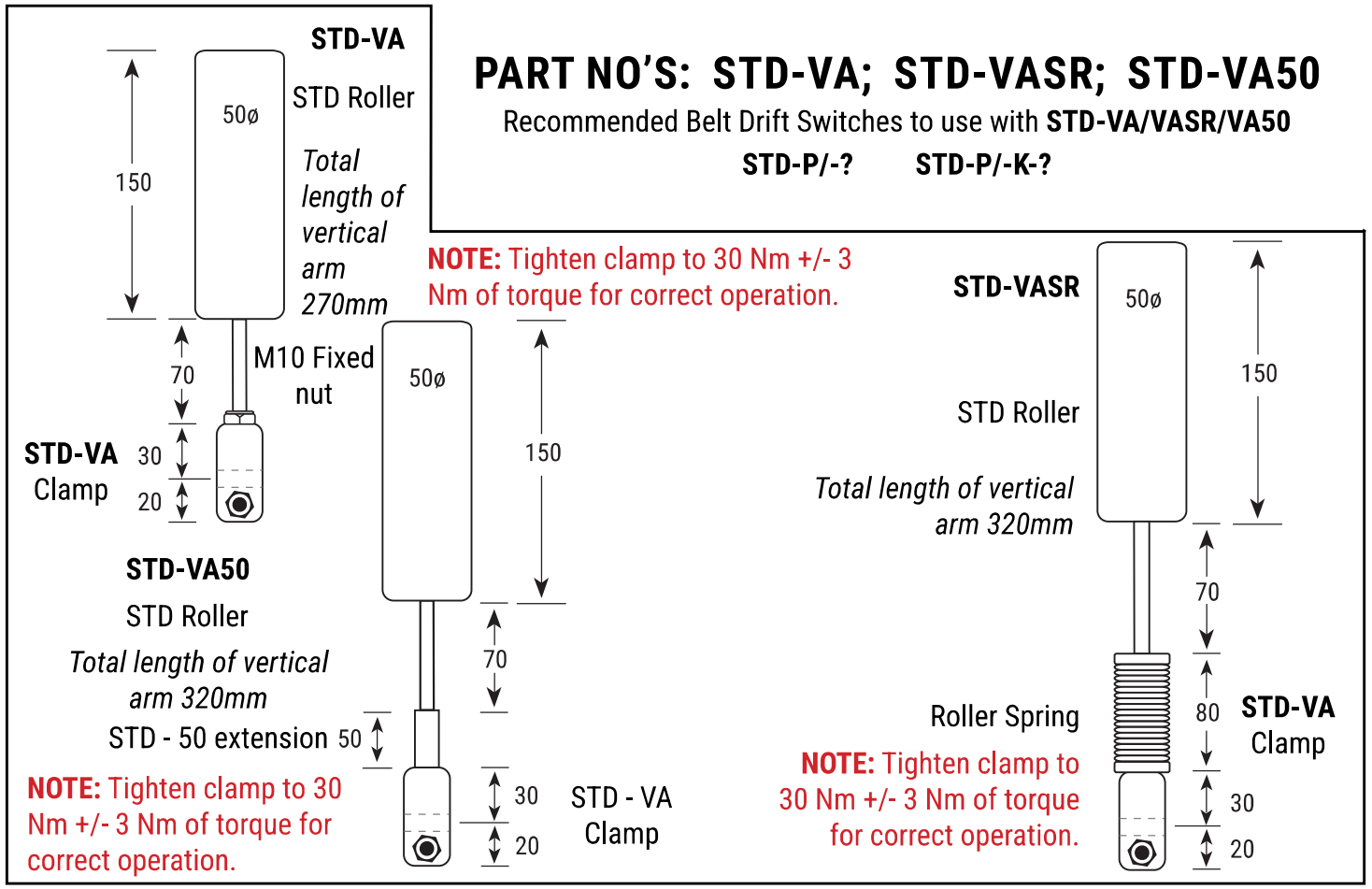




PART NO'S: STD-VA; STD-VASR; STD-VA50

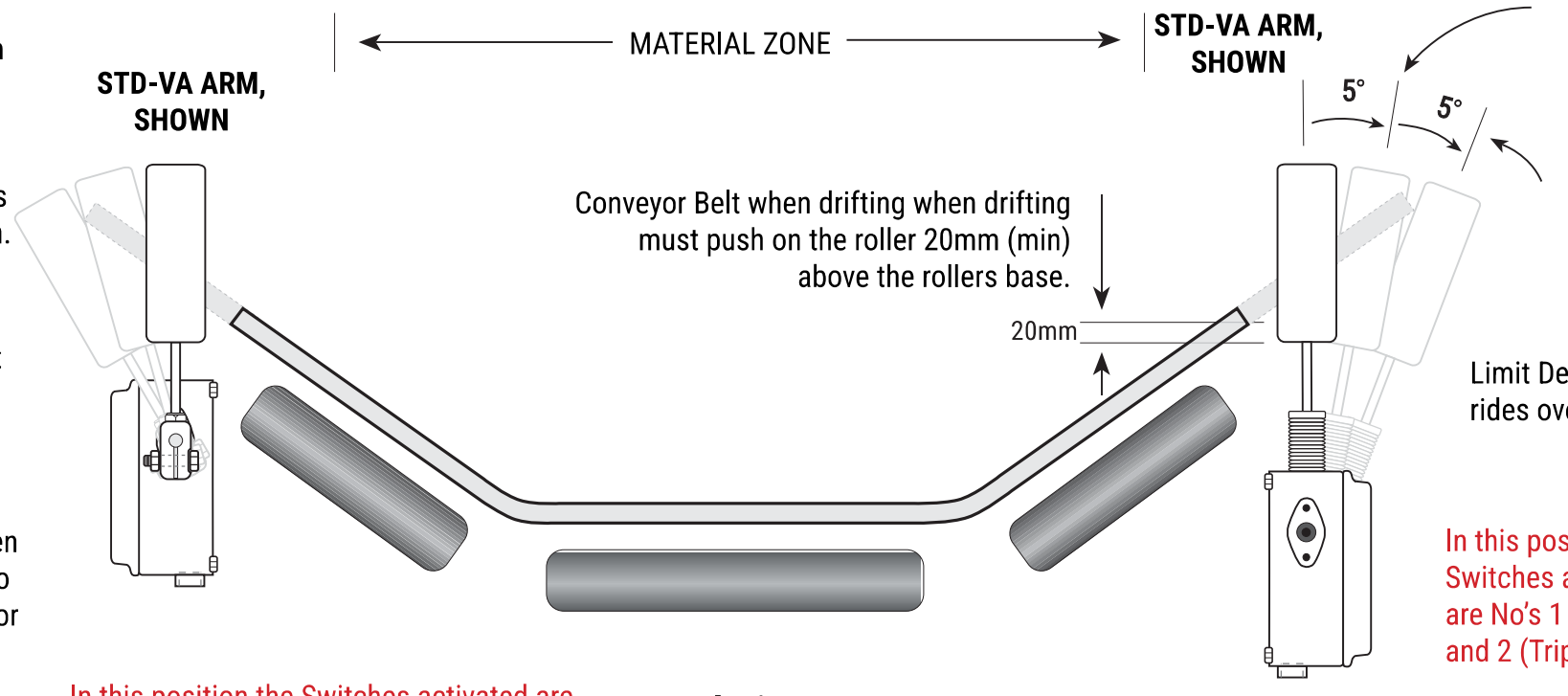
Recommended Belt Drift Switches to use with **STD-VA/VASR/VA50**

STD-P/-? **STD-P/-K-?**

The roller arm has the ability to rotate 90° from its set resting position in both directions, so that you can get maximum belt drift travel and maintain device & roller reliability. The arm returns to its set resting position when the belt returns to its normal running position.

Using the Part No. **STD-P/-LATCH** the arm can be preset to a position where the belt drifts and trips the device, and the arm rotates over to the 90 position and only returns when it is physically pushed back to position and then the conveyor may be restarted.

Eg. Use the roller arm as a Belt Drift Device visual flag indicator.



FACTORY SET LIMIT DEVICE ALARM POSITION
(ALARM LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

FACTORY SET LIMIT DEVICE TRIP POSITION
(TRIP LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

Limit Device trip position to be set anywhere before the Conveyor Belt rides over the top of the roller, or the belt contacts any fixed structure.

In this position the Switches activated are No's 1 (Alarm) and 2 (Trip)

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STANDARD

The SAFE-T-DRIFT complies with the relevant parts of these Standards:

IEC 60947-5-1 ED. 4.0 Control circuit devices & switching elements

AS 60947.5.1:2015	Control circuit devices & switching elements		
AS4024.1-2014	Safety of machinery	Ce Conformity to:	
AS4024.3610-2015	Safety of machinery	98/37/EEC	Machinery Directive
AS4024.3612-2015	Safety of machinery	73/23/EEC	Low Voltage Directive

WORKSHOP TESTED

All devices are either hand or automation tested by trained technicians before leaving Safe-T-Products and have a date and name label of manufacture inside them. The devices are then packed insuring full working order to our stringent test parameters.

A certification certificate is available on request for full compliance to the relevant standards.

MODIFICATIONS OF DEVICE

Any modifications are ONLY to be made by Safe-T-Products or one of their registered repairers. Any unauthorized modifications may not comply with the relevant standards and may diminish the integrity and workings of the device and the warranty will become void.

Safe-T-Products and their registered repairers or distributors will not be responsible for any damage caused to the altered device or any item in, on, related or near the device, nor any injury incurred, nor actions resulting from the unauthorized alterations.

RETURNS POLICY/RE-STOCKING

Please return any defective device to place of purchase for assessment. If they are deemed to be warranty repairs or not. Return warranty devices as per warranty clause. Restocking returns will only be accepted if received by Safe-T-Products in their original condition and within thirty (30) days of delivery date stated on delivery documentation. A restocking fee applies (contact place of purchase for costs).

WARRANTY

Safe-T-Products of Perth Western Australia contact info@safe-t-products.com.au warranty period is Twenty Four (24) months from date of purchase or longer if indicated by Safe-T-Products. For warranty to be valid the goods must be received by Safe-T-Products before the end of the Twenty Four (24) month period. Safe-T-Products warrants that if any product is defective, it will, at its option, replace or repair the product. This warranty shall not apply to any defect which arises from improper use, failure to follow the products instruction, or any repair or modification made without the consent of Safe-T-Products.

The customer must contact the Distributor of the product or Safe-T-Products of Perth Western Australia via Email info@ safe-t-products.com.au before returning the faulty product. If returned they must be suitably packaged and, where relevant, returned in accordance with any particular instructions which Safe-T-Products or one of its distributors may have notified the customer at the time of contact for warranty. Returned products must be accompanied by an advice note stating the nature of any defect being claimed. Any products or parts which are replaced by Safe-T-Products or one of its distributors shall become the property of Safe-T-Products. Title to replacement products shall pass to the customer on delivery, and the period of the warranty shall be calculated from the date of the defective product.

All warranty returns to Safe-T-Products will be sent by the customer's freight at their cost. All benefits under this warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

PRODUCT SURFACE TREATMENT

STAINLESS STEEL ELECTRO POLISHING

Safe-T-Products' electro-polishing of its 316 stainless steel enclosures ensures product longevity in harsh conditions. By effectively removing all contaminants and iron from the surface of the stainless steel and drawing the chromium to the surface, this process creates a clean, non-rusting, and sterile surface. This level of precision and attention to detail in the treatment process ensures that stainless steel components remain corrosion-resistant and maintain their functionality and appearance over time.

POWDER COATED ALUMINIUM

The powder coat used on the aluminum products is a halogen-free, low-smoke, orange or yellow polyester coating. This coating improves the longevity of the aluminum surface and resists corrosion in harsh environments.

MAINTENANCE PROCEDURE

All Safe-T-Drift Devices require minimal maintenance but as in AS/NZS 4024.1:2014 a maintenance procedure must be carried out.

Recommended 6 Month Maintenance

1. Visual inspection of enclosure to ensure IP rating and correctly operating device. i.e. Damaged enclosure, bent actuator rod, damaged dust boot, damaged roller etc.
2. Activate the Safe-T-Drift Device via the roller making sure it moves freely and returns to its set position (**NOTE:** STD-LATCH won't return until pushed).
3. Inspect roller for wear or deterioration and replace if necessary.
4. After inspection, check the set position of the device as per installation instructions.

FULL SAFETY MAINTENANCE EVERY 12 MONTHS

Remove cover & check for corrosion or water ingress. Replace if necessary.
Check electrical connections for security and corrosion.
Clean lid seal and replace cover & torque down lid screws as per micro switch installation sheet.

ALL PLASTIC PRODUCTS

Product life expectancy
Safe-T-Products estimate the product life expectancy to 10-15 years.

A shorter or longer product life may be experienced due to environmental situations.

Safe-T-Products can't give a written life expectancy on any of its products due to the different situations the products are used.

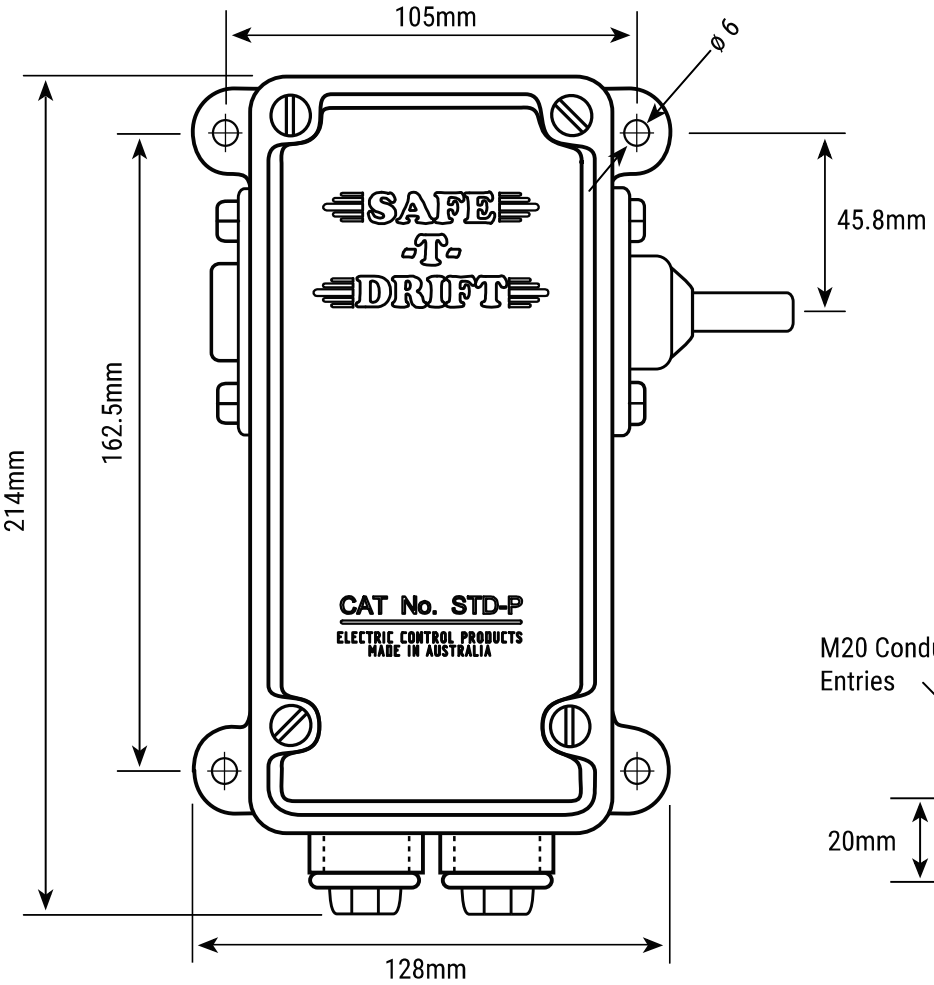
TECHNICAL SUPPORT

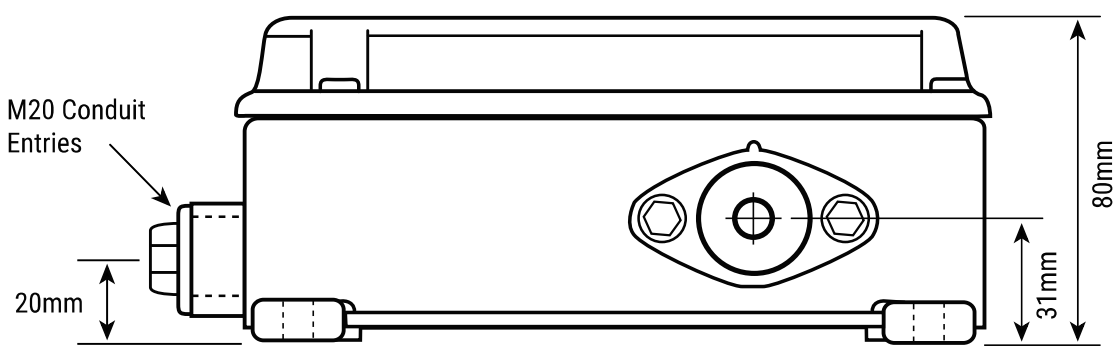
Technical advice will be given at any time by Safe-T-Products or distributor on any of the Safe-T-Product range. Contact Safe-T-Products or your local distributor for this service.

OBSOLETE PRODUCTS

Notification will be given to distributors only for the products becoming obsolete and a time frame of when this will occur. Please contact distributor for this information.

The obsolete product range will have spare parts for 12 months after becoming obsolete, or until run out, complete products will be available for a short time after it has become obsolete.



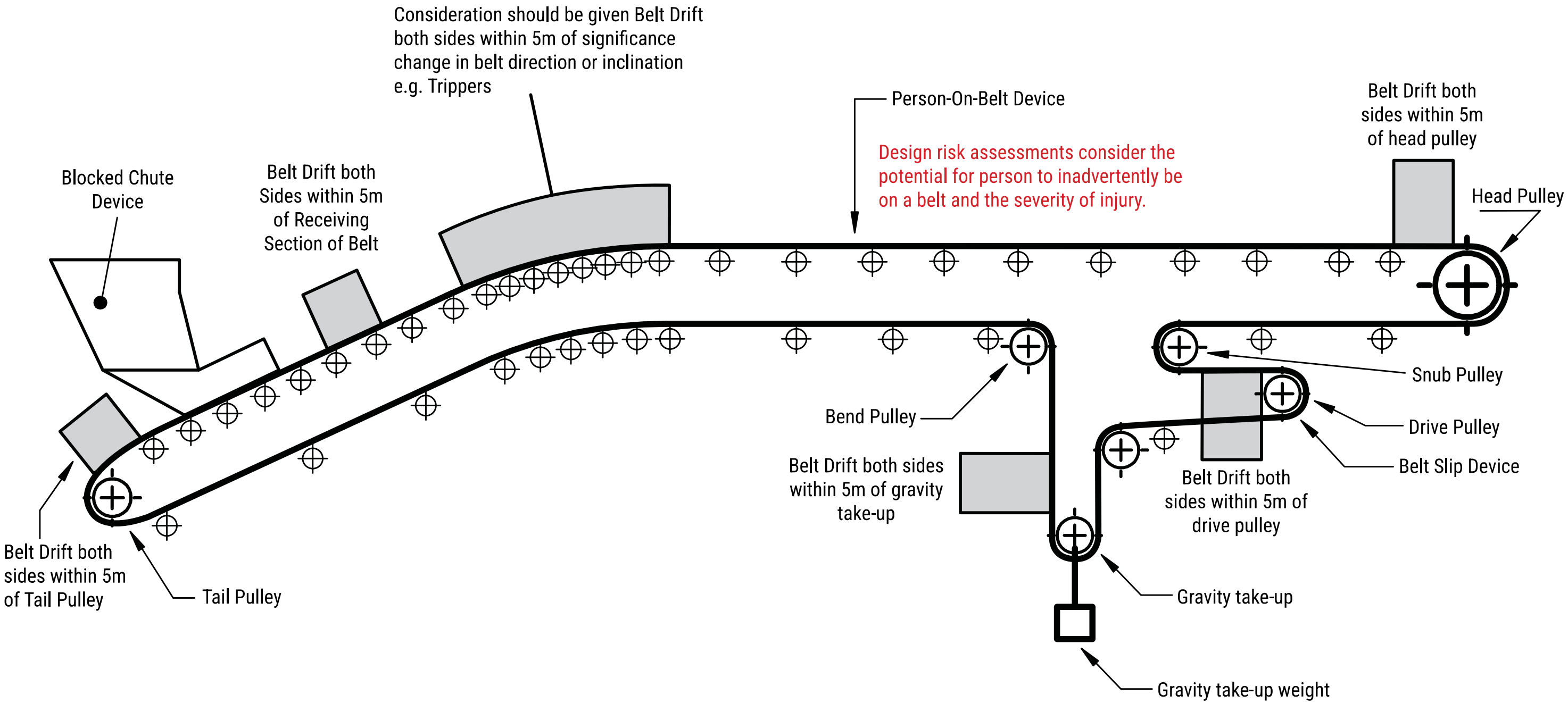


TECHNICAL SPECIFICATIONS

Safety Micro Switch with Direct Opening Action Specifications: Tested to IEC 60947-5-1

IEC 60947-5-1 Annex K classification	☐ Type 1	☒ Type 2 Direct Opening
Change-over contact element	☒ C ☐ Za ☐ Zb	
Contact material	Ag-Ni	
Utilization category	AC-15	DC-13
Rated Operational Voltage	250V AC	60V DC
Rated Operational Current	1.5 Amp AC	0.5 Amp DC
Frequency	50/60 Hz	-
Number of electrical cycles	6050 (6 min-1)	
Number of mechanical cycles	6050 (6 min-1)	
Short Circuit Protection Device	Fuse gG	
Ratings of SCPD	6A-690 VAC	

PROTECTIVE STOP CONTROL POSITIONS - ASNZS 4024.3611 BULK HANDLING MATERIAL CONVEYORS



NOTE: Belt Drift Devices are mandatory for underground mines and hazardous areas e.g. confined spaces, reclaim tunnels, underground unloading/loading facility's. Recommended for surface conveyors.

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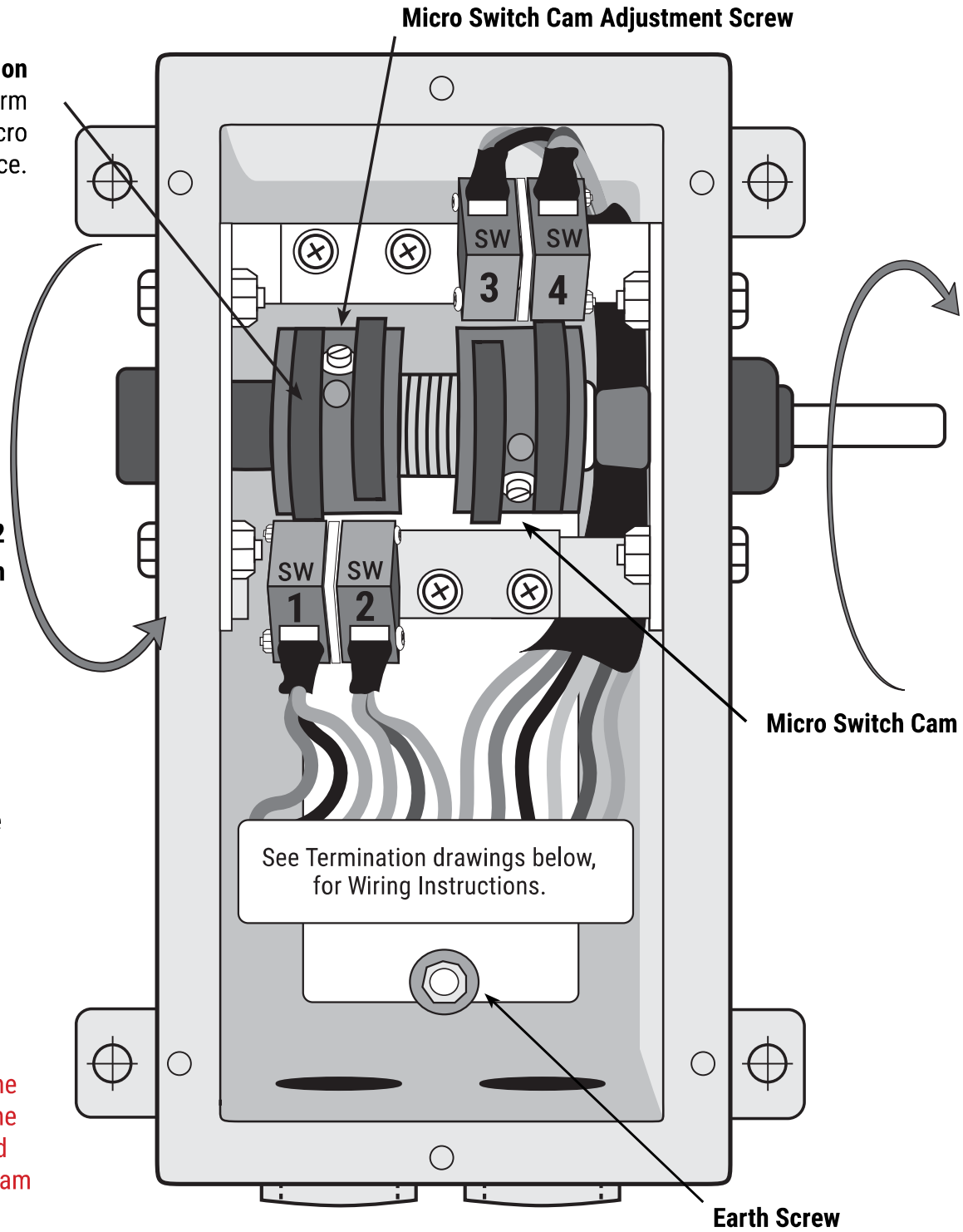
STD-SSB — PROTECTIVE STOP CONTROL BELT MISALIGNMENT DEVICE



Micro Switch Cam Rest Position
See Vertical or Horizontal Arm Installation Instructions for Micro Switch activation sequence.

SW 1 Micro Switch
Is the ALARM SWITCH Factory Preset to switch on when the roller arm moves 5°

SW 1 & SW 2 Cam Rotation

SW 3 & SW 4 Cam Rotation

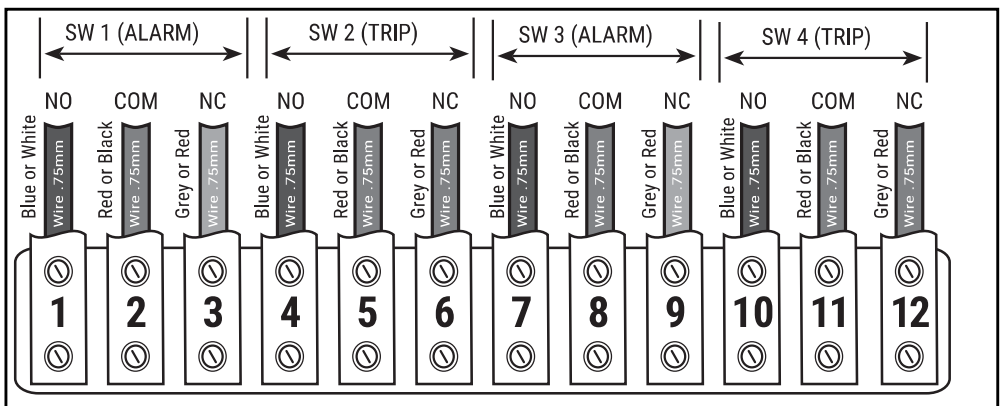
SW 3 Micro Switch Is the ALARM Device Factory Preset to switch on when the roller arm moves 5°

SW 2 Micro Switch
Is the TRIP SWITCH Factory Preset to device on when the roller arm moves 10°

SW 4 Micro Switch
Is the TRIP Micro SWITCH, Factory Preset to switch on when the roller arm moves 10°

The Alarm & Trip Devices may be adjusted by loosening the Micro Switch Cam Screws and moving the Cams backwards or forwards to the desired Limit Device Set Point, and then re-tighten the Micro Switch Cam Screws for operational use.

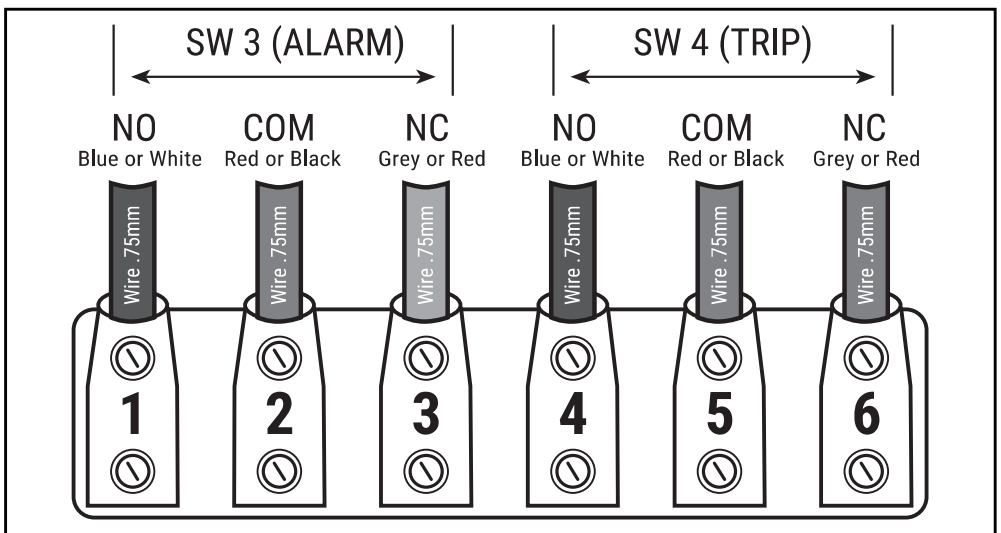
NOTE:
Switches 3 & 4 and Switch 3 & 4 Cam only fitted in Part No's **STD-P/SSB-D** or **STD-SSB-D-K**

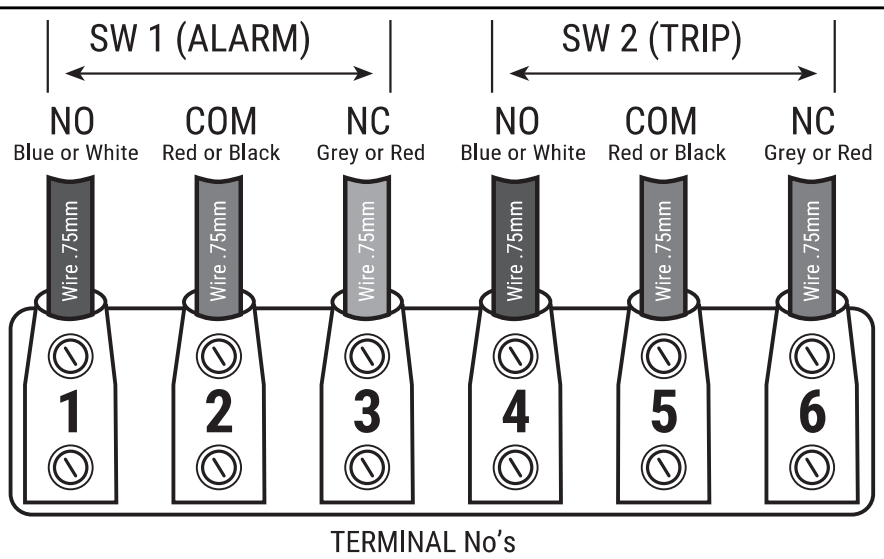


TERMINAL No's

Wiring diagram for Part No: **STD-SSB-D-K**

(RAIL MOUNT TYPE TERMINALS)

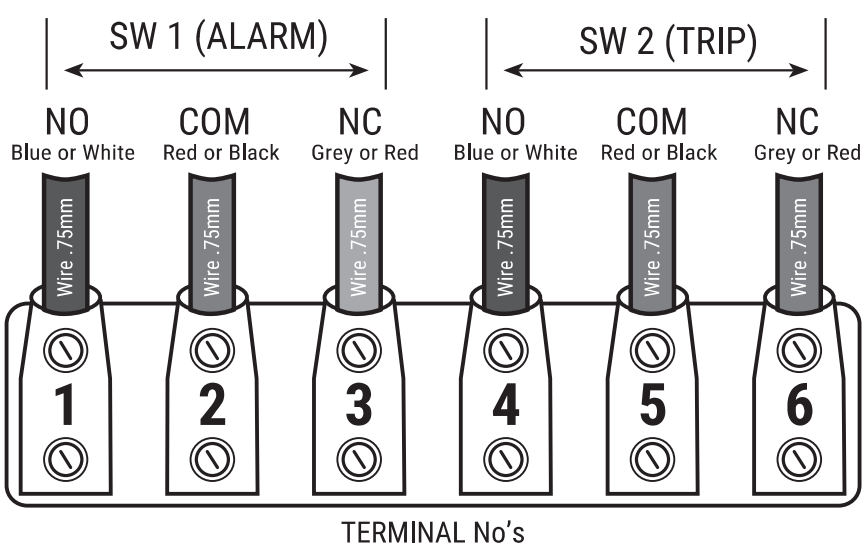




TERMINAL No's

Wiring diagram for Part No: **STD-SSB**

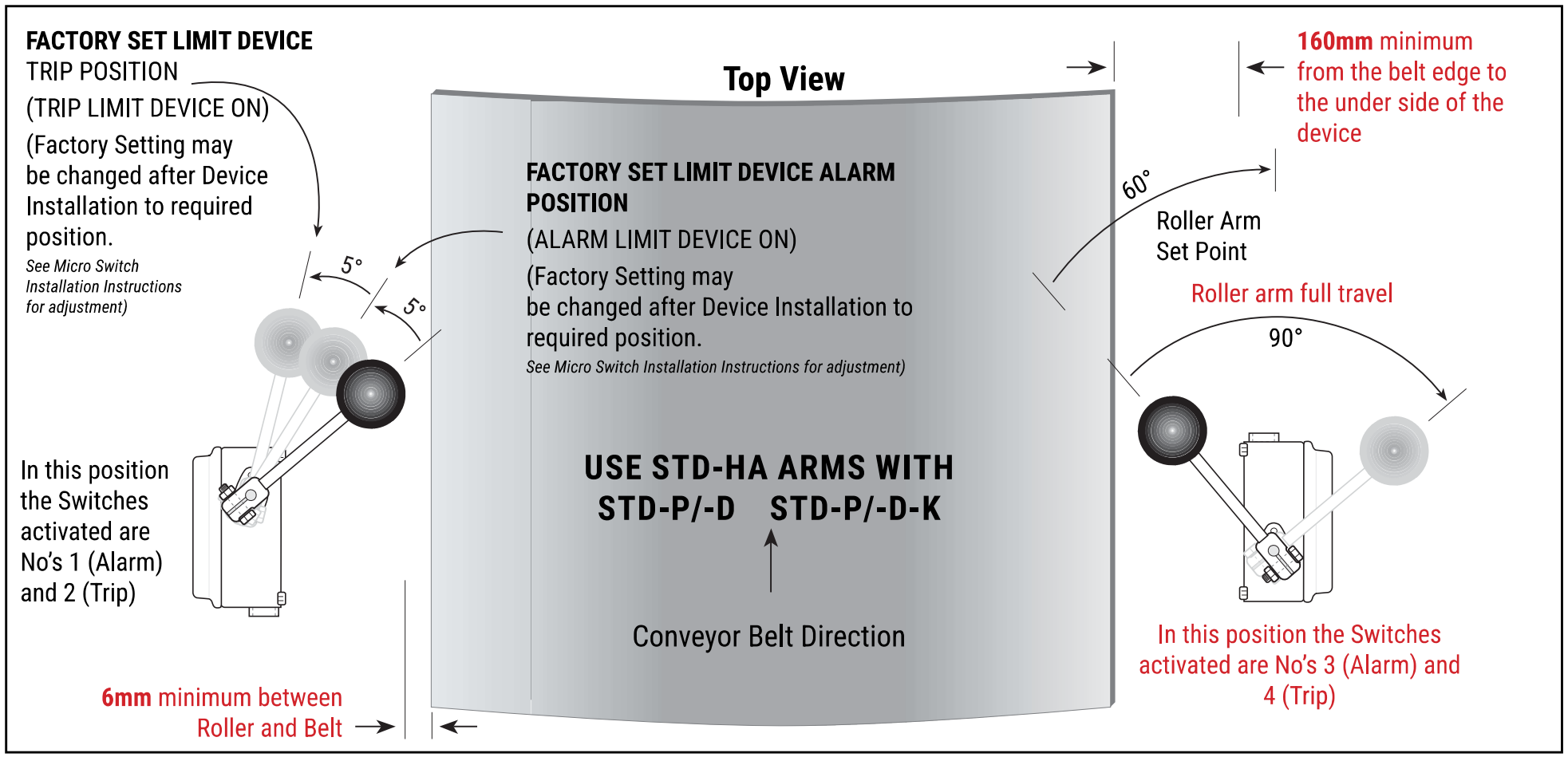
(TUNNEL TYPE TERMINALS IN **STD-SSB** or RAIL MOUNT TYPE IN **STD-SSB**)

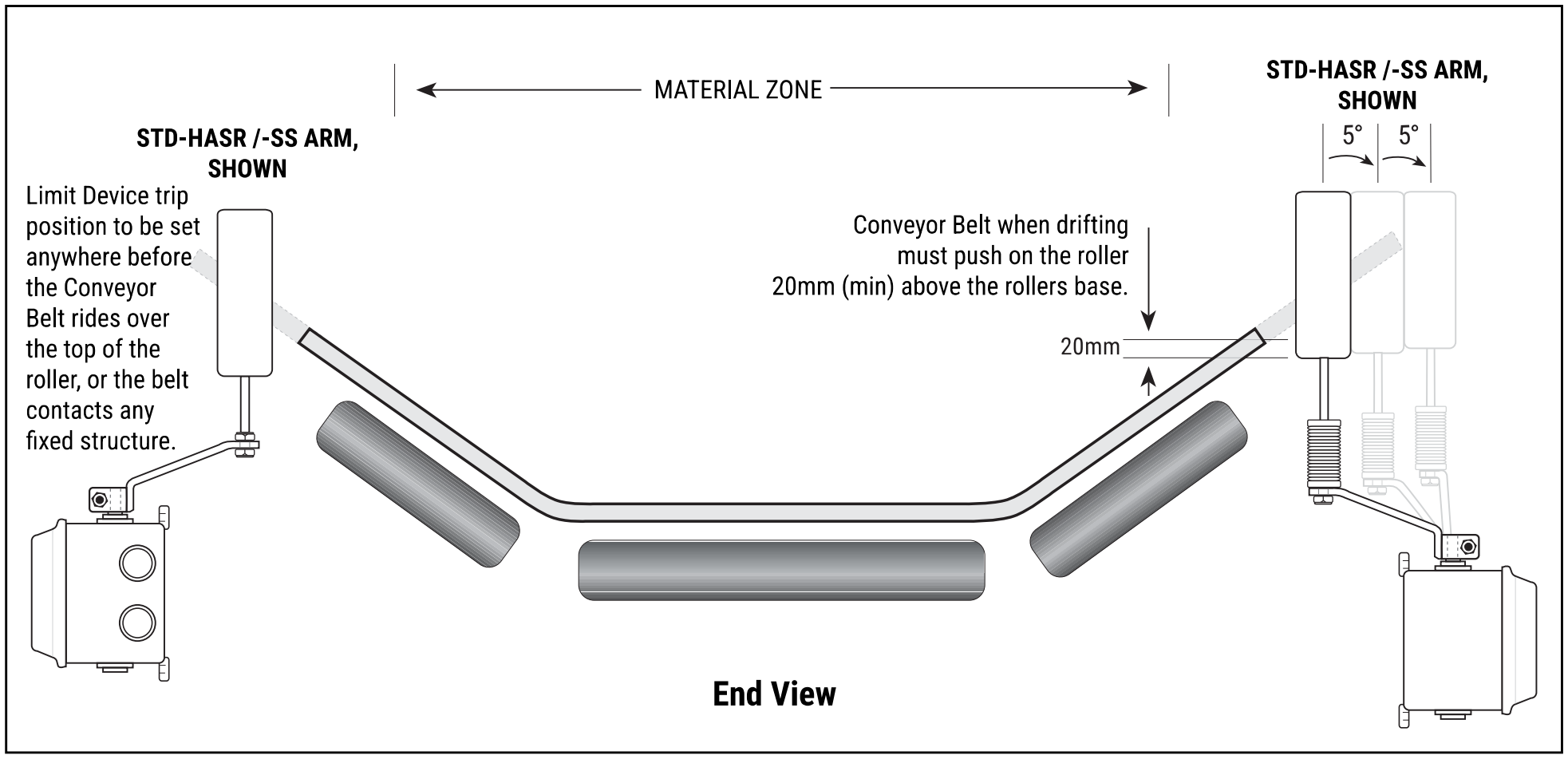


TERMINAL No's

Wiring diagram for Part No: **STD-SSB-D**

(TUNNEL TYPE TERMINALS)



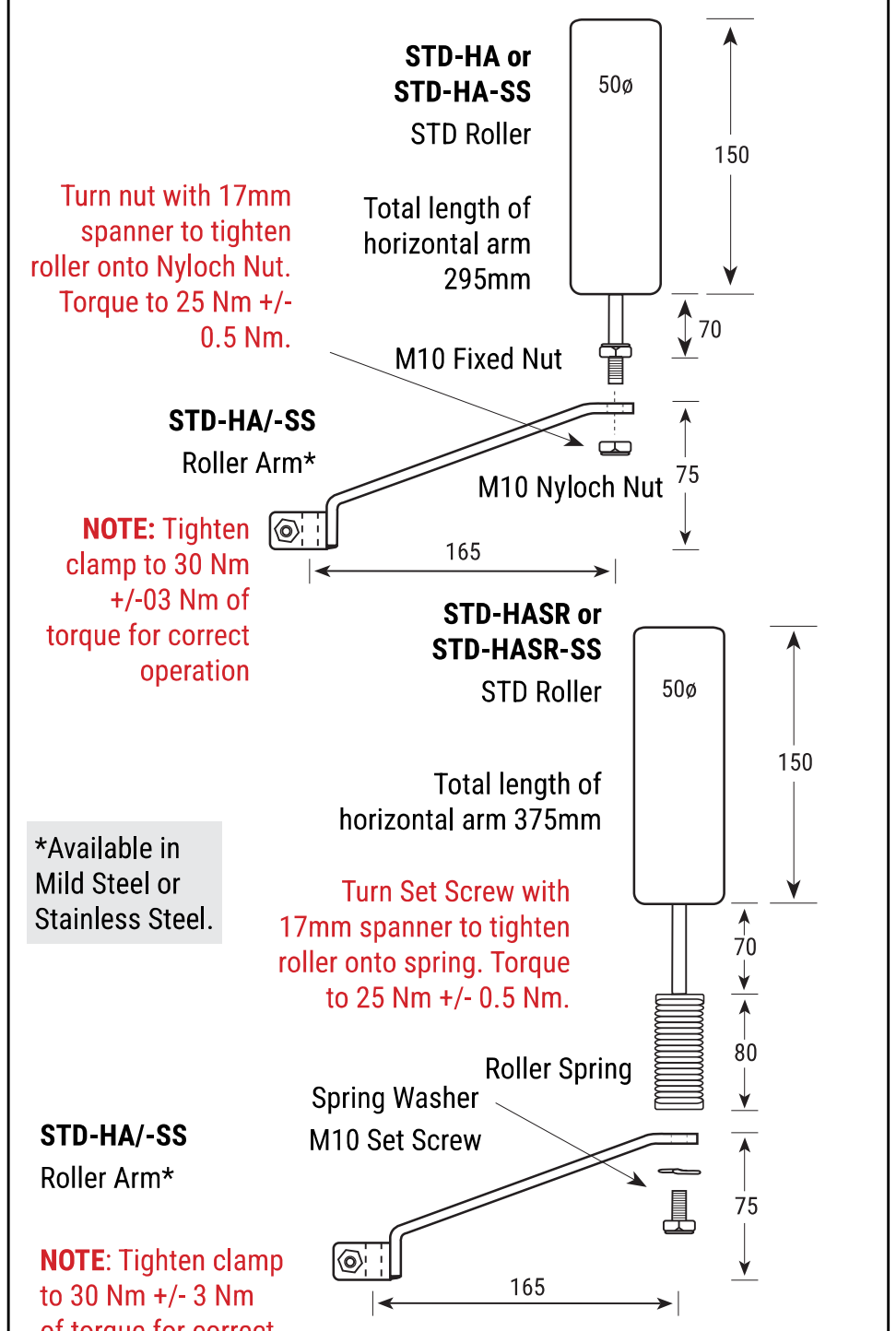


PART NO'S: STD-HA/SS; STD-HASR/SS;

HA ROLLERS ARE USED FOR LARGE ITEMS ON CONVEYOR

Recommended Belt Drift Devices to use with **STD-HA/SS** or **HASR/SS**

STD-P/SSB-D/-? **STD-P/SSB-D-K/-?**



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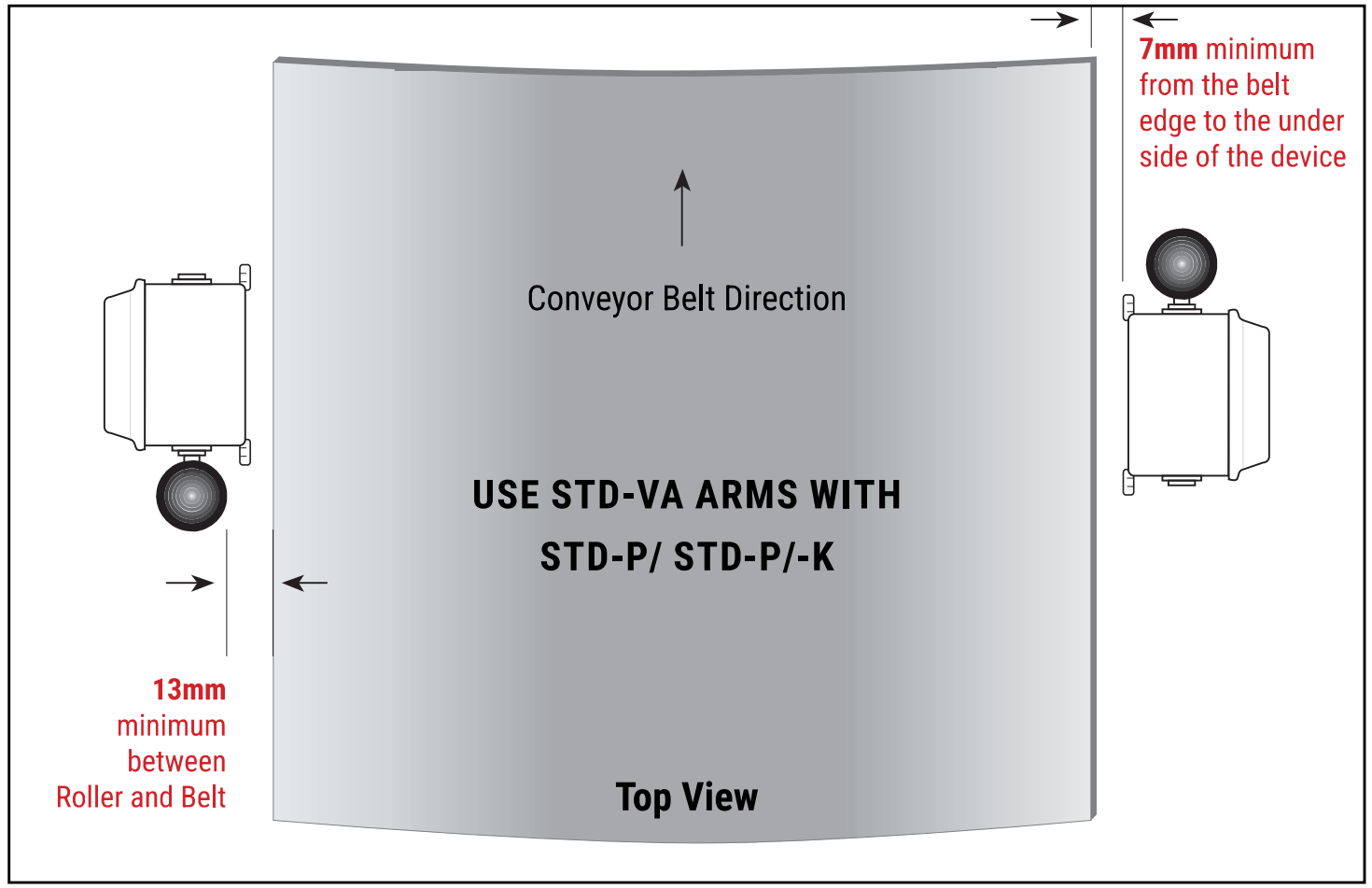
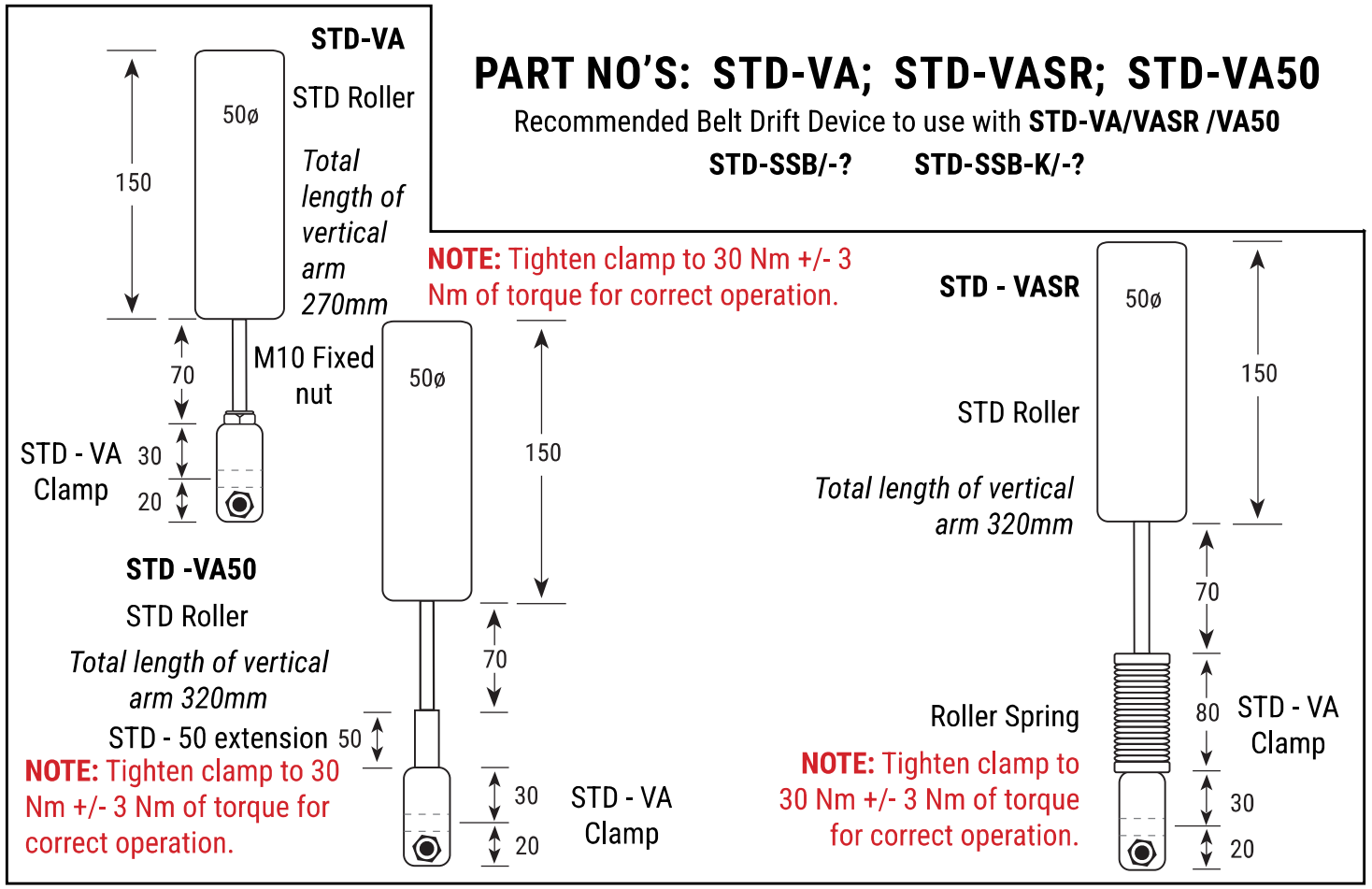




PART NO'S: STD-VA; STD-VASR; STD-VA50

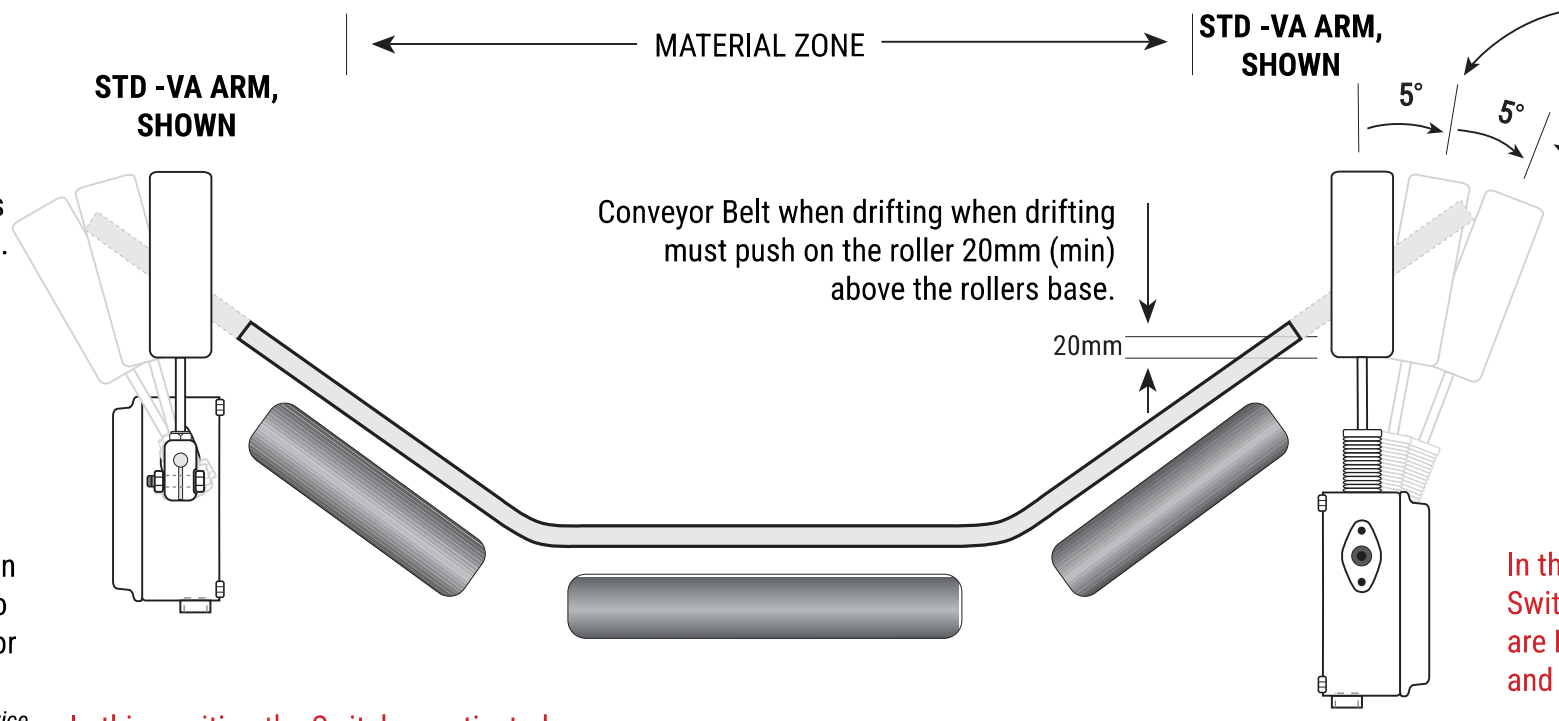
Recommended Belt Drift Device to use with **STD-VA/VASR /VA50**

STD-SSB/-? **STD-SSB-K/-?**

The roller arm has the ability to rotate 90° from its set resting position in both directions, so that you can get maximum belt drift travel and maintain device & roller reliability. The arm returns to its set resting position when the belt returns to its normal running position.

Using the Part No. **STD-P/-LATCH** the arm can be preset to a position where the belt drifts and trips the device, and the arm rotates over to the 90 position and only returns when it is physically pushed back to position and then the conveyor may be restarted.

Eg. Use the roller arm as a Belt Drift Device visual flag indicator.



End View

FACTORY SET LIMIT DEVICE ALARM POSITION
(ALARM LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

FACTORY SET LIMIT DEVICE TRIP POSITION
(TRIP LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

Limit Device trip position to be set anywhere before the Conveyor Belt rides over the top of the roller, or the belt contacts any fixed structure.

safe-t PRODUCTS

STANDARD

The Safe-T-Drift complies with the relevant parts of these Standards:

IEC 60947-5-1 ED. 4.0 Control circuit devices & switching elements

AS 60947.5.1:2015	Control circuit devices & switching elements		
AS4024.1-2014	Safety of machinery	Ce Conformity to:	
AS4024.3610-2015	Safety of machinery	98/37/EEC	Machinery Directive
AS4024.3612-2015	Safety of machinery	73/23/EEC	Low Voltage Directive

WORKSHOP TESTED

All devices are either hand or automation tested by trained technicians before leaving Safe-T-Products and have a date and name label of manufacture inside them. The devices are then packed insuring full working order to our stringent test parameters.

A certification certificate is available on request for full compliance to the relevant standards.

MODIFICATIONS OF DEVICE

Any modifications are ONLY to be made by Safe-T-Products or one of their registered repairers. Any unauthorised modifications may not comply with the relevant standards and may diminish the integrity and workings of the device and the warranty will become void.

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RETURNS POLICY/RE-STOCKING

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WARRANTY

Safe-T-Products of Perth Western Australia contact info@safe-t-products.com.au warranty period is Twenty Four (24) months from date of purchase or longer if indicated by Safe-T-Products. For warranty to be valid the goods must be received by Safe-T-Products before the end of the Twenty Four (24) month period. Safe-T-Products warrants that if any product is defective, it will, at its option, replace or repair the product. This warranty shall not apply to any defect which arises from improper use, failure to follow the products instruction, or any repair or modification made without the consent of Safe-T-Products.

The customer must contact the Distributor of the product or Safe-T-Products of Perth Western Australia via Email info@ safe-t-products.com.au before returning the faulty product. If returned they must be suitably packaged and, where relevant, returned in accordance with any particular instructions which Safe-T-Products or one of its distributors may have notified the customer at the time of contact for warranty. Returned products must be accompanied by an advice note stating the nature of any defect being claimed. Any products or parts which are replaced by Safe-T-Products or one of its distributors shall become the property of Safe-T-Products. Title to replacement products shall pass to the customer on delivery, and the period of the warranty shall be calculated from the date of the defective product.

All warranty returns to Safe-T-Products will be sent by the customer's freight at their cost. All benefits under this warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

PRODUCT SURFACE TREATMENT

STAINLESS STEEL ELECTRO POLISHING

Safe-T-Products' electro-polishing of its 316 stainless steel enclosures ensures product longevity in harsh conditions. By effectively removing all contaminants and iron from the surface of the stainless steel and drawing the chromium to the surface, this process creates a clean, non-rusting, and sterile surface. This level of precision and attention to detail in the treatment process ensures that stainless steel components remain corrosion-resistant and maintain their functionality and appearance over time.

POWDER COATED ALUMINIUM

The powder coat used on the aluminum products is a halogen-free, low-smoke, orange or yellow polyester coating. This coating improves the longevity of the aluminum surface and resists corrosion in harsh environments.

MAINTENANCE PROCEDURE

All Safe-T-Drift Devices require minimal maintenance but as in AS/NZS 4024.1:2014 a maintenance procedure must be carried out.

Recommended 6 Month Maintenance

1. Visual inspection of enclosure to ensure IP rating and correctly operating device. i.e. Damaged enclosure, bent actuator rod, damaged dust boot, damaged roller etc.
2. Activate the Safe-T-Drift Device via the roller making sure it moves freely and returns to its set position (**NOTE:** STD-LATCH won't return until pushed).
3. Inspect roller for wear or deterioration and replace if necessary.
4. After inspection, check the set position of the device as per installation instructions.

FULL SAFETY MAINTENANCE EVERY 12 MONTHS

Remove cover & check for corrosion or water ingress. Replace if necessary.
Check electrical connections for security and corrosion.
Clean lid seal and replace cover & torque down lid screws as per micro switch installation sheet.

ALL PLASTIC PRODUCTS

Product life expectancy
Safe-T-Products estimate the product life expectancy to 10-15 years.

A shorter or longer product life may be experienced due to environmental situations.

Safe-T-Products can't give a written life expectancy on any of its products due to the different situations the products are used.

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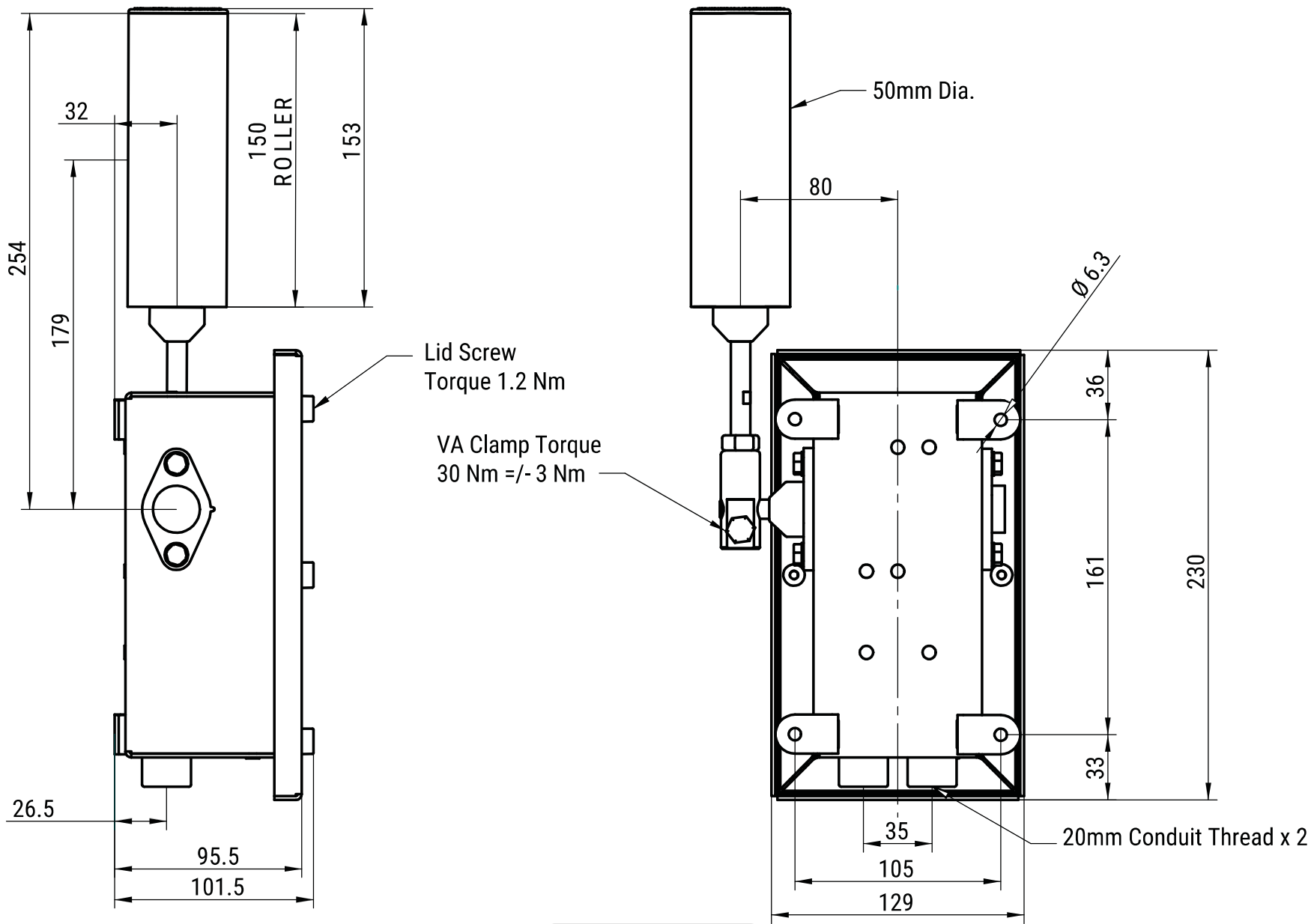


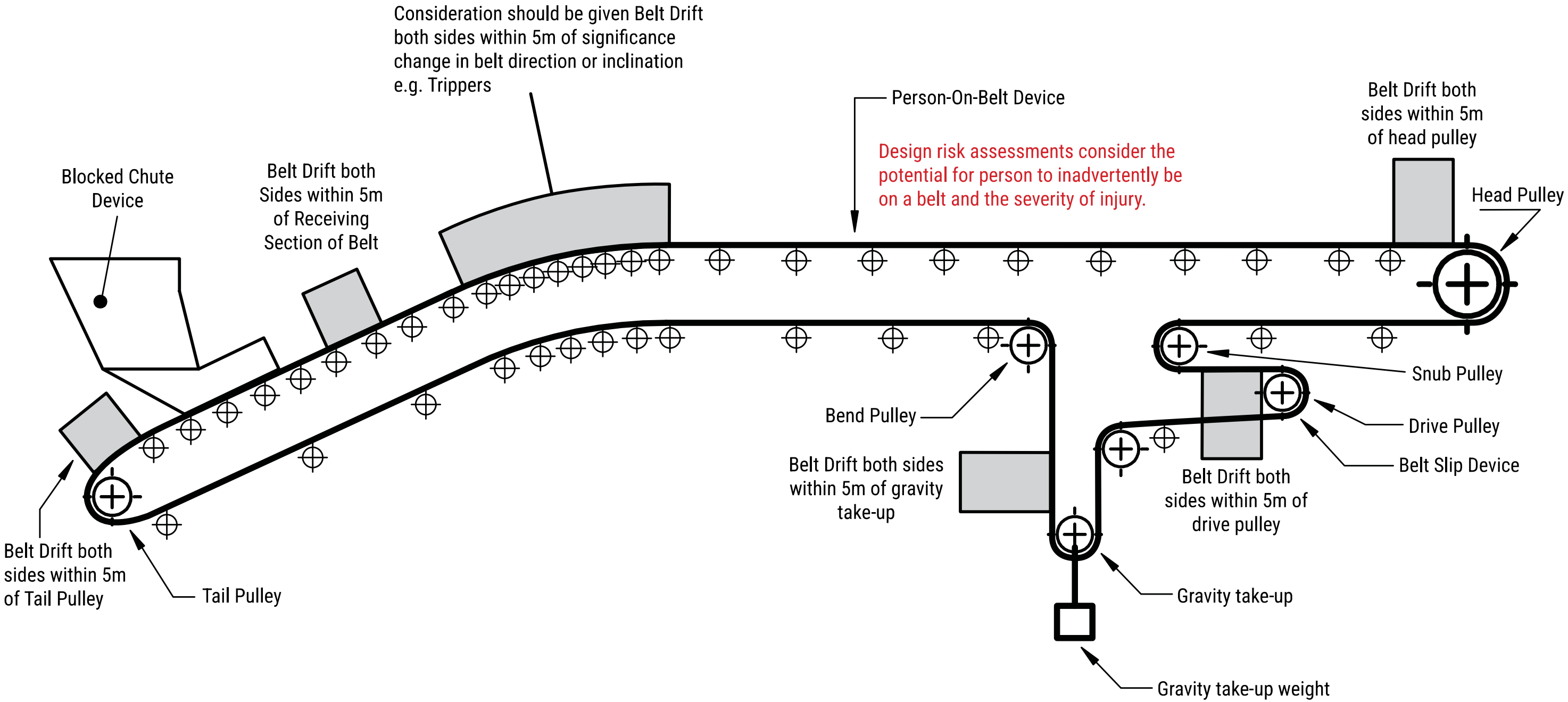
TECHNICAL SPECIFICATIONS

Safety Micro Switch with Direct Opening Action Specifications: Tested to IEC 60947-5-1

IEC 60947-5-1 Annex K classification	☐ Type 1	☒ Type 2 Direct Opening
Change-over contact element	☒ C ☐ Za ☐ Zb	
Contact material	Ag-Ni	
Utilization category	AC-15	DC-13
Rated Operational Voltage	250V AC	60V DC
Rated Operational Current	1.5 Amp AC	0.5 Amp DC
Frequency	50/60 Hz	-
Number of electrical cycles	6050 (6 min-1)	
Number of mechanical cycles	6050 (6 min-1)	
Short Circuit Protection Device	Fuse gG	
Ratings of SCPD	6A-690 VAC	

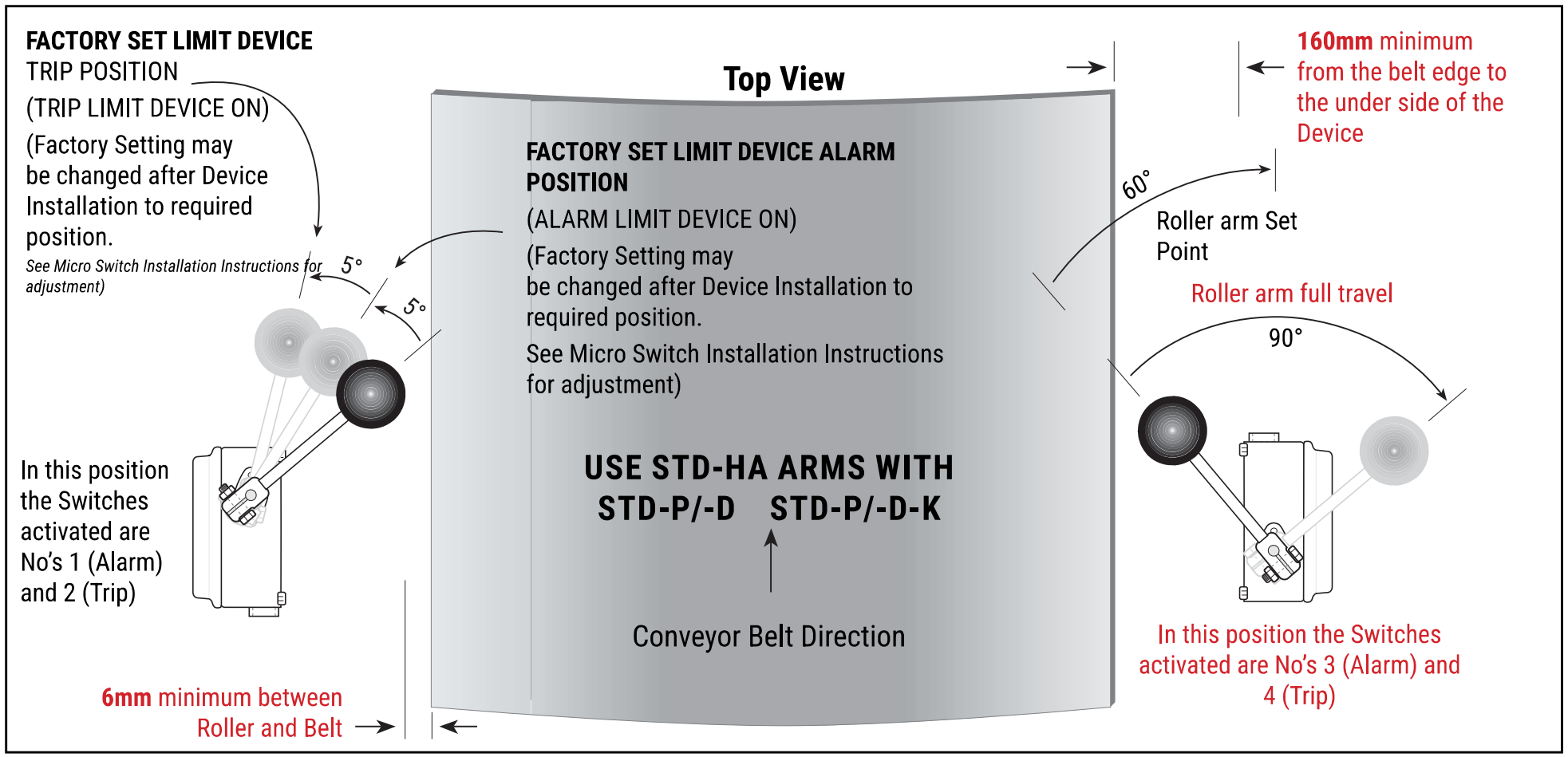
SAFE-T-DRIFT®

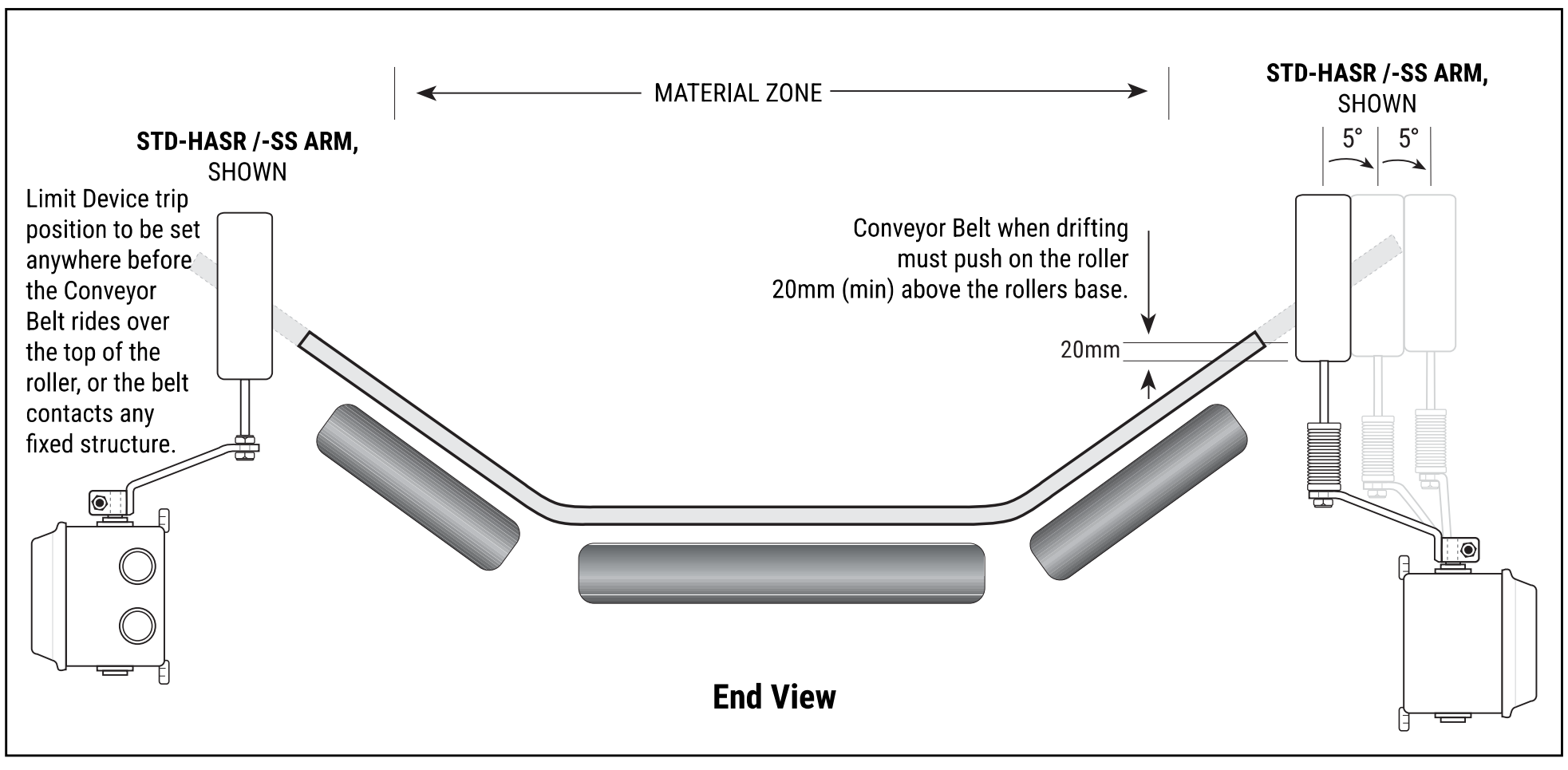
PROTECTIVE STOP CONTROL POSITIONS - ASNZS 4024.3611 BULK HANDLING MATERIAL CONVEYORS



NOTE: Belt Drift Devices are mandatory for underground mines and hazardous areas e.g. confined spaces, reclaim tunnels, underground unloading/loading facility's. Recommended for surface conveyors.

safe-t PRODUCTS



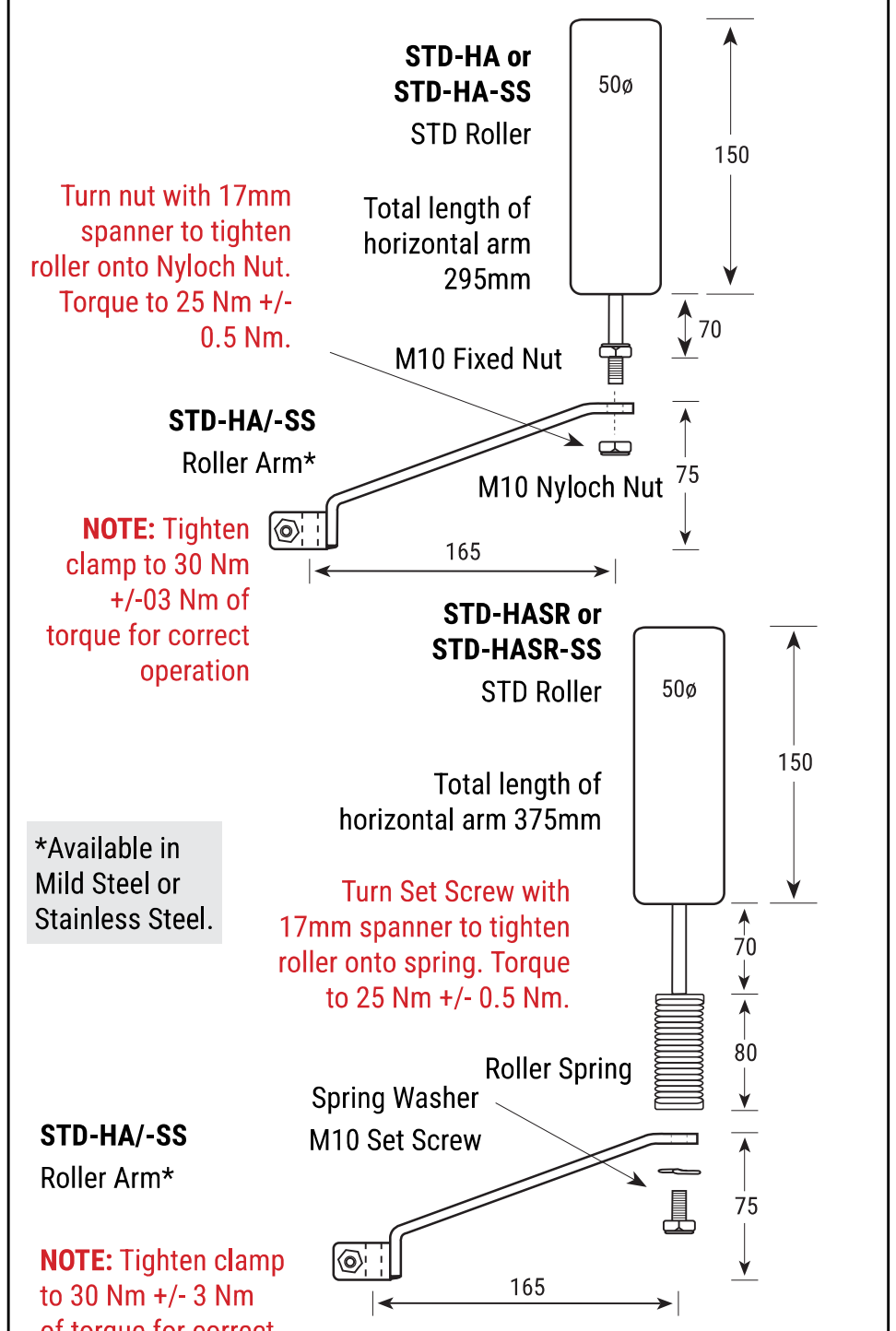


PART NO'S: STD-HA/SS; STD-HASR/SS;

HA ROLLERS ARE USED FOR LARGE ITEMS ON CONVEYOR

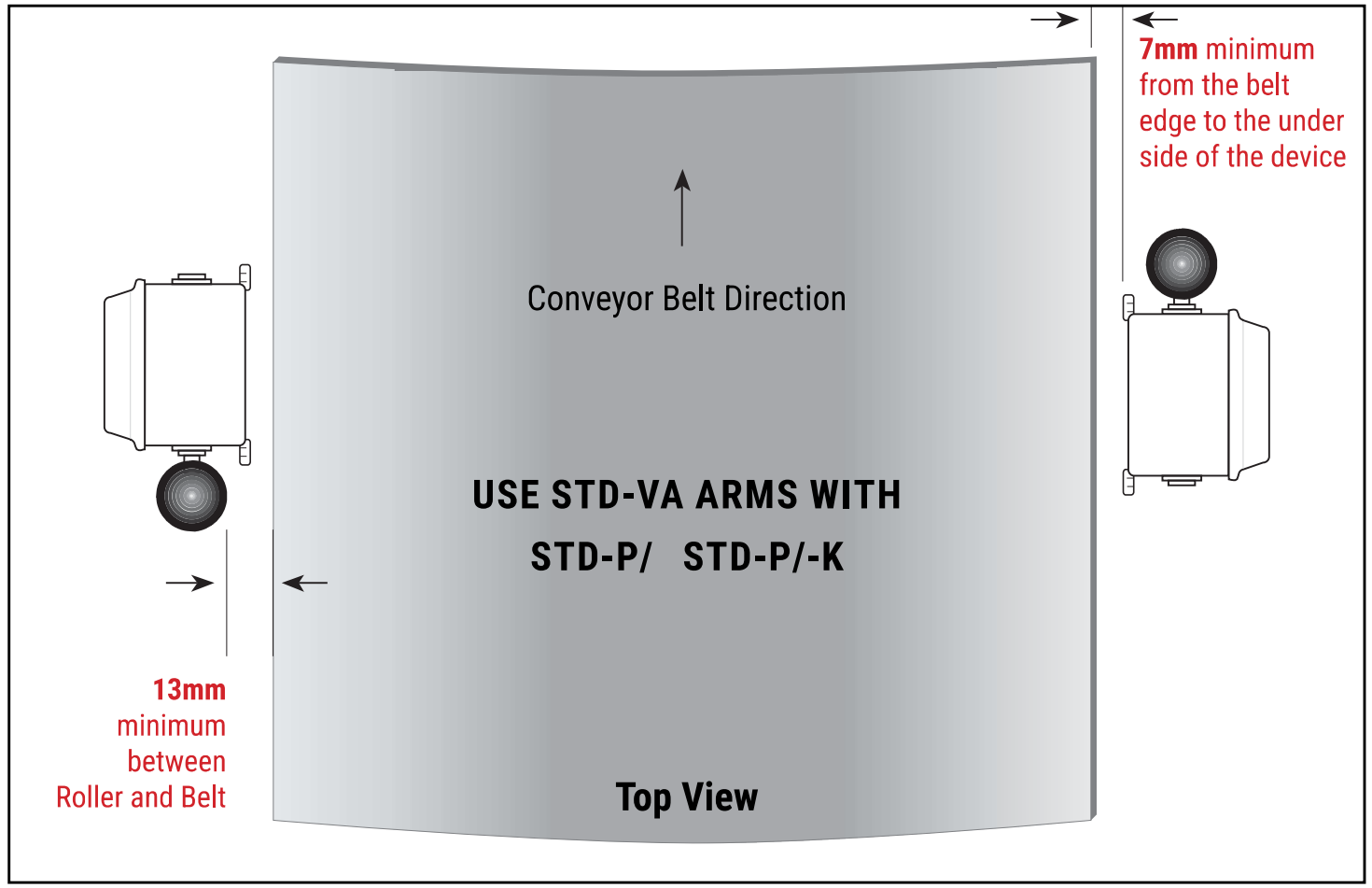
Recommended Belt Drift Device to use with **STD- HA/SS or HASR/SS**

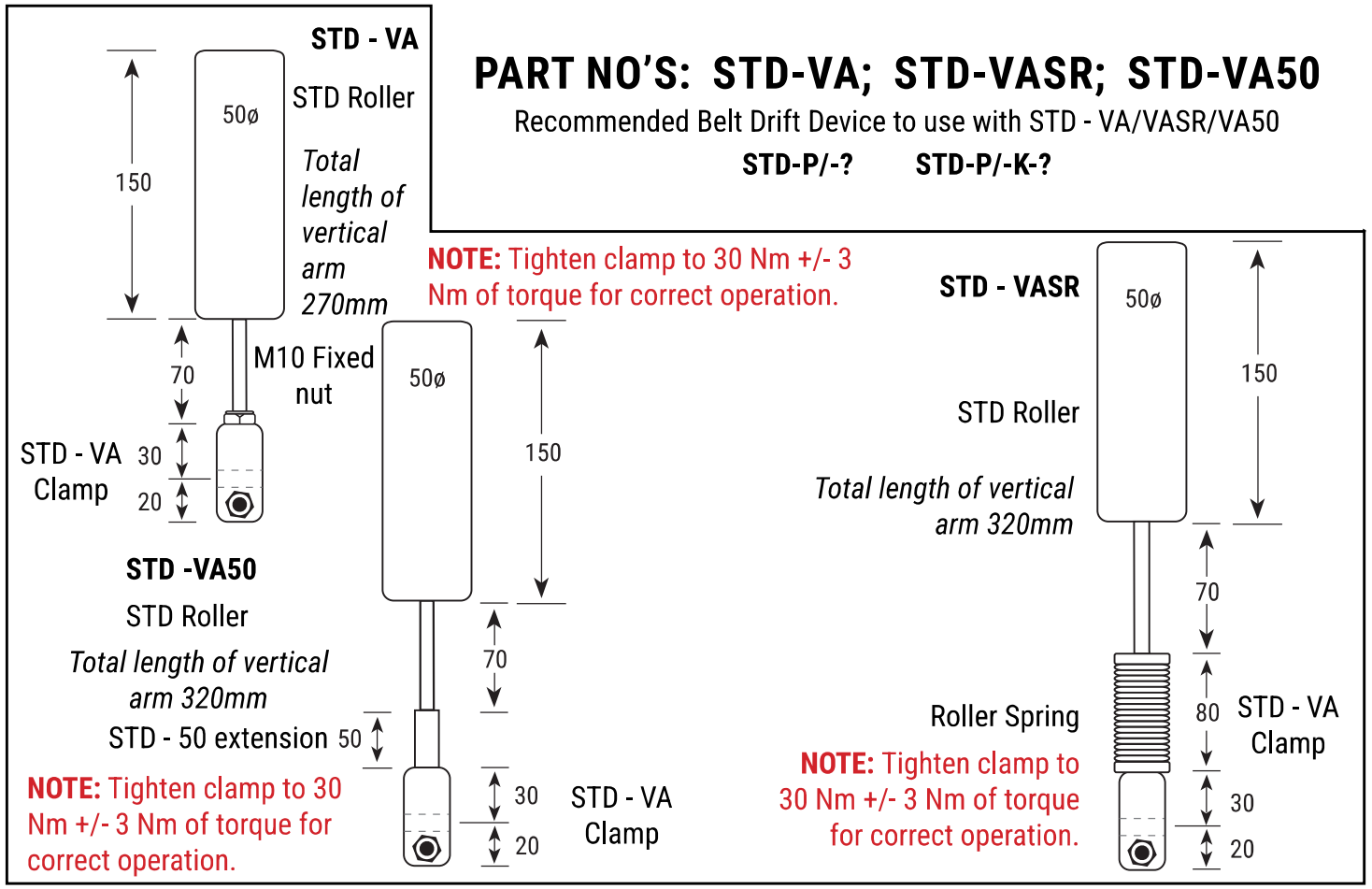
STD-P/-D/-? STD-P/-D-K /-?



*Available in Mild Steel or Stainless Steel.

safe-t PRODUCTS





PART NO'S: STD-VA; STD-VASR; STD-VA50

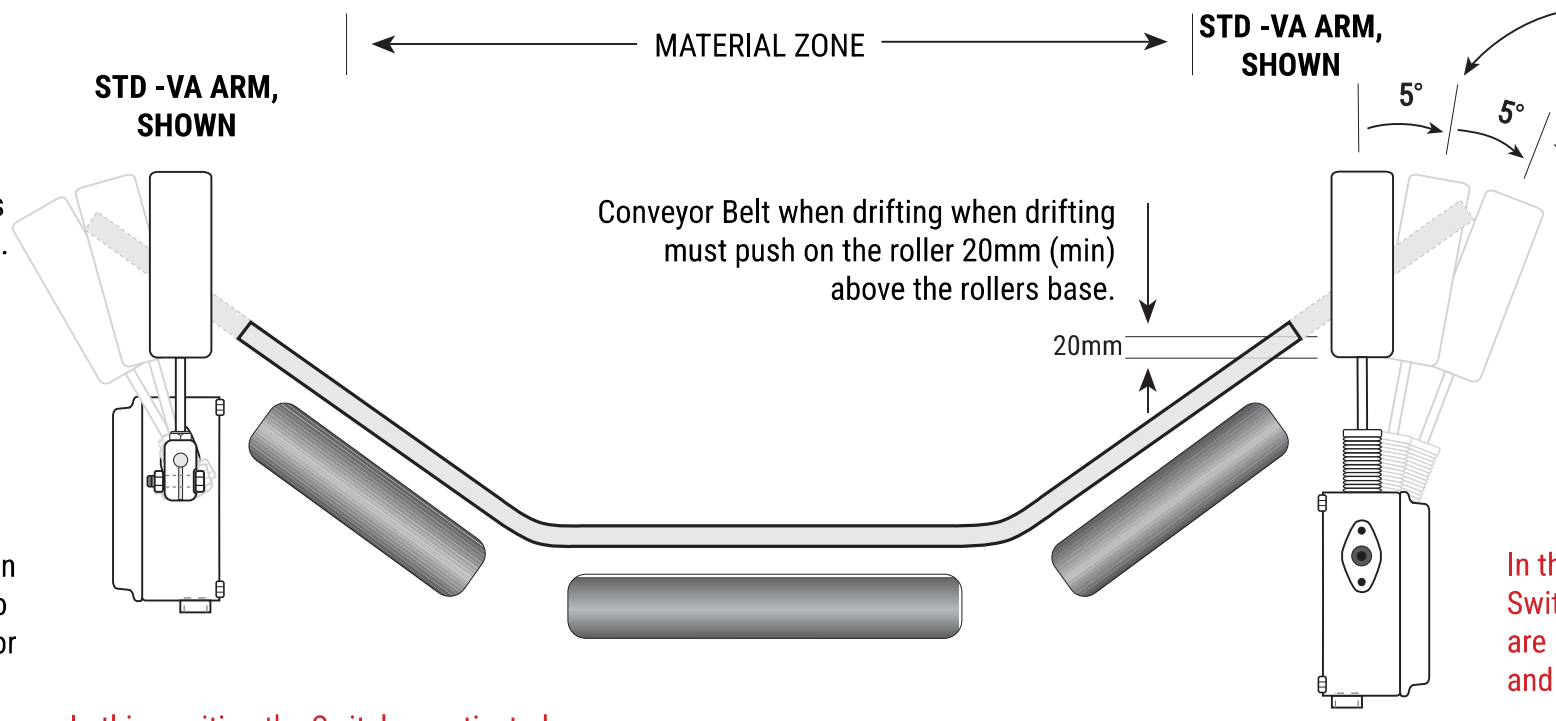
Recommended Belt Drift Device to use with STD - VA/VASR/VA50

STD-P/-? **STD-P/-K-?**

The roller arm has the ability to rotate 90° from its set resting position in both directions, so that you can get maximum belt drift travel and maintain device & roller reliability. The arm returns to its set resting position when the belt returns to its normal running position.

Using the Part No. STD-P/-LATCH the arm can be preset to a position where the belt drifts and trips the device, and the arm rotates over to the 90 position and only returns when it is physically pushed back to position and then the conveyor may be restarted.

Eg. Use the roller arm as a Belt Drift Device visual flag indicator.



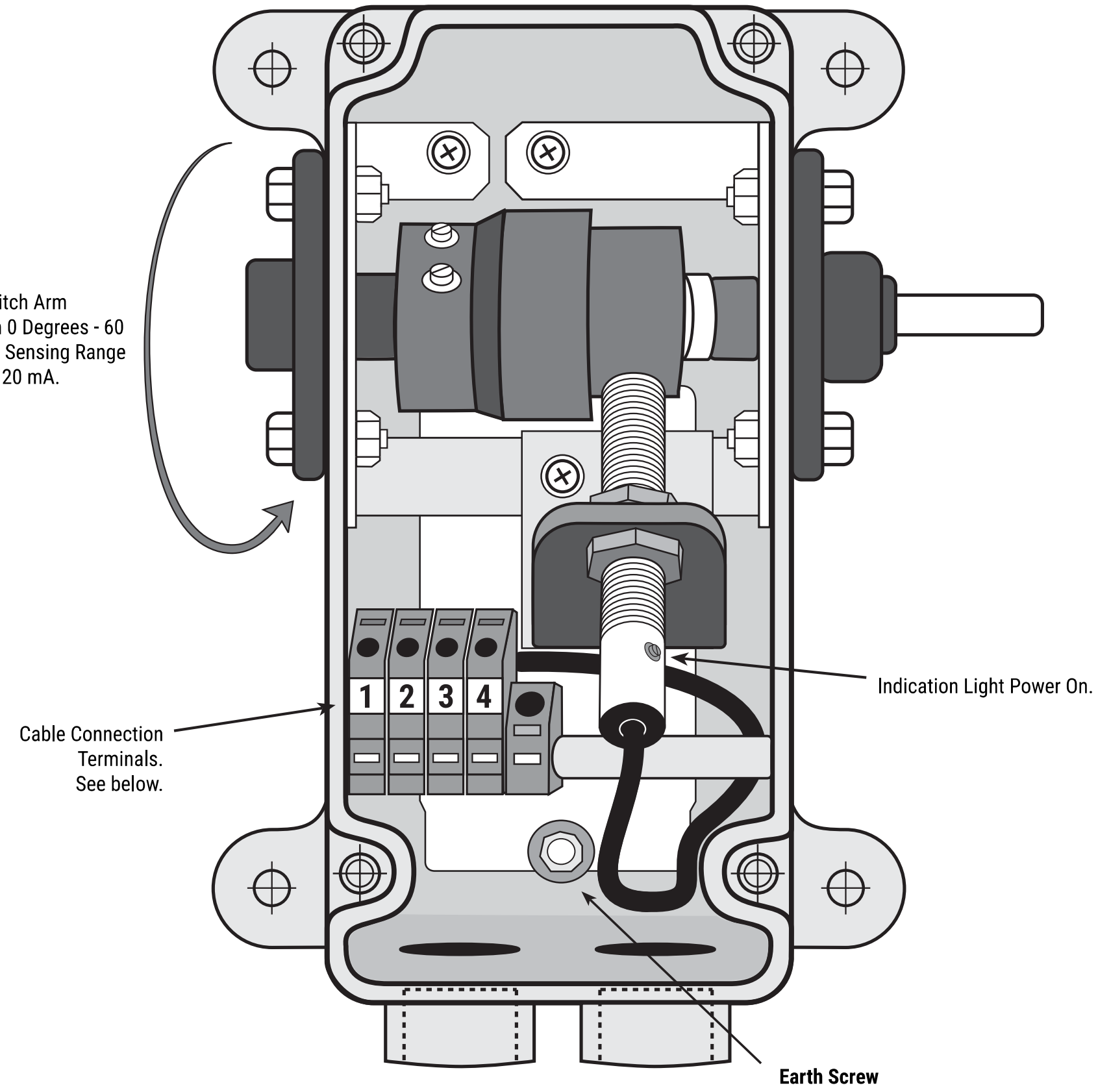
End View

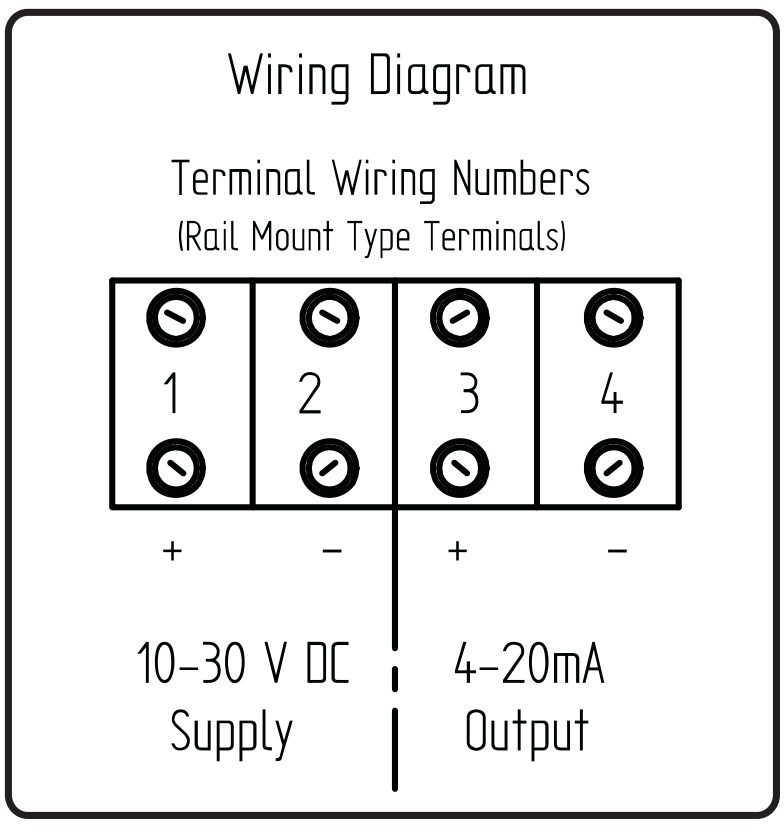
FACTORY SET LIMIT DEVICE ALARM POSITION
(ALARM LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

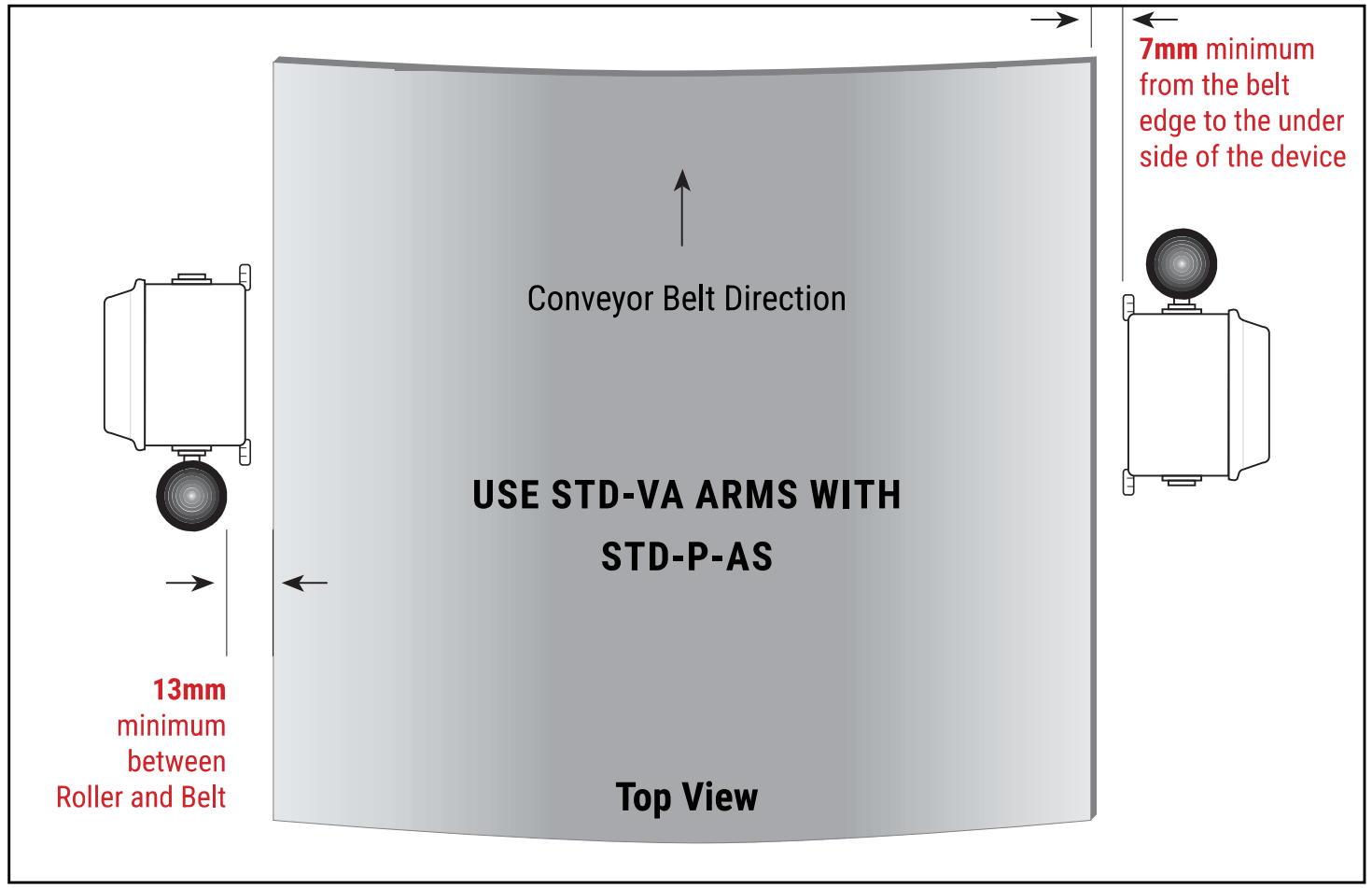
FACTORY SET LIMIT DEVICE TRIP POSITION
(TRIP LIMIT DEVICE ON)
(Factory Setting may be changed after Device Installation to required position. See Micro Switch Installation Instructions for adjustment)

Limit Device trip position to be set anywhere before the Conveyor Belt rides over the top of the roller, or the belt contacts any fixed structure.

safe-t PRODUCTS


Drift Switch Arm
Rotation 0 Degrees - 60
Degrees Sensing Range
4 mA to 20 mA.
1
2
3
4
Cable Connection
Terminals.
See below.
Indication Light Power On.
Earth Screw

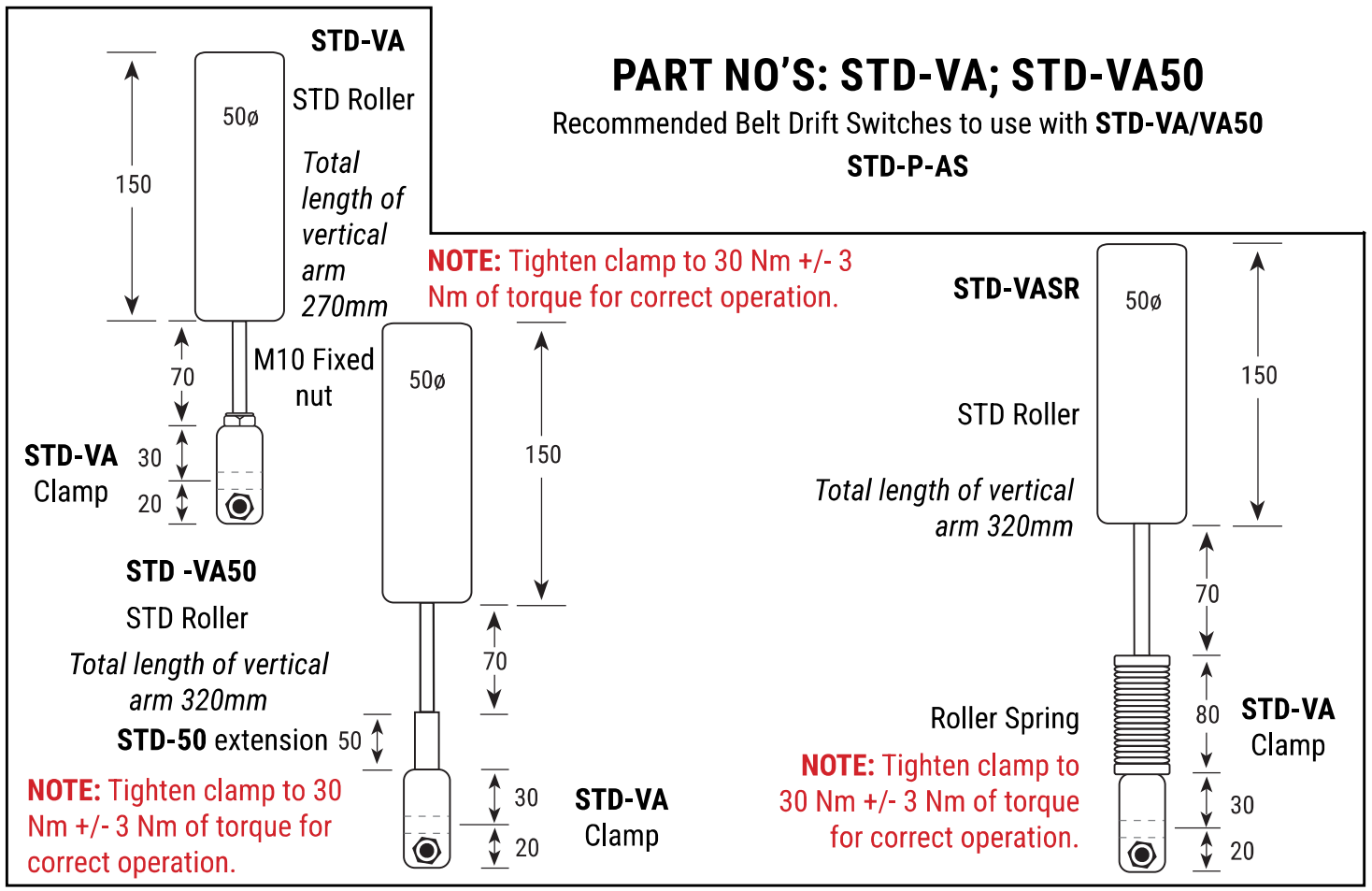

Wiring Diagram
Terminal Wiring Numbers
(Rail Mount Type Terminals)
1
2
3
4
+
−
+
−
10–30 V DC
Supply
4–20mA
Output

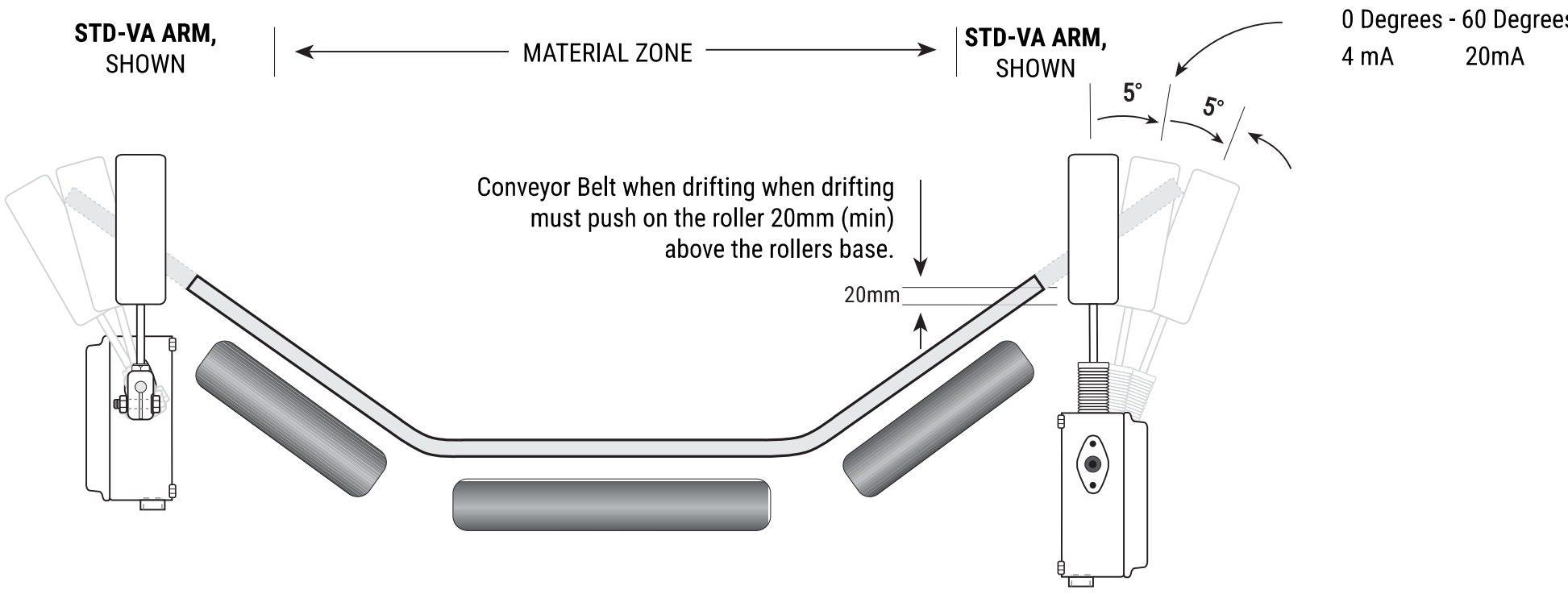


PART NO'S: STD-VA; STD-VA50

Recommended Belt Drift Switches to use with **STD-VA/VA50**

STD-P-AS

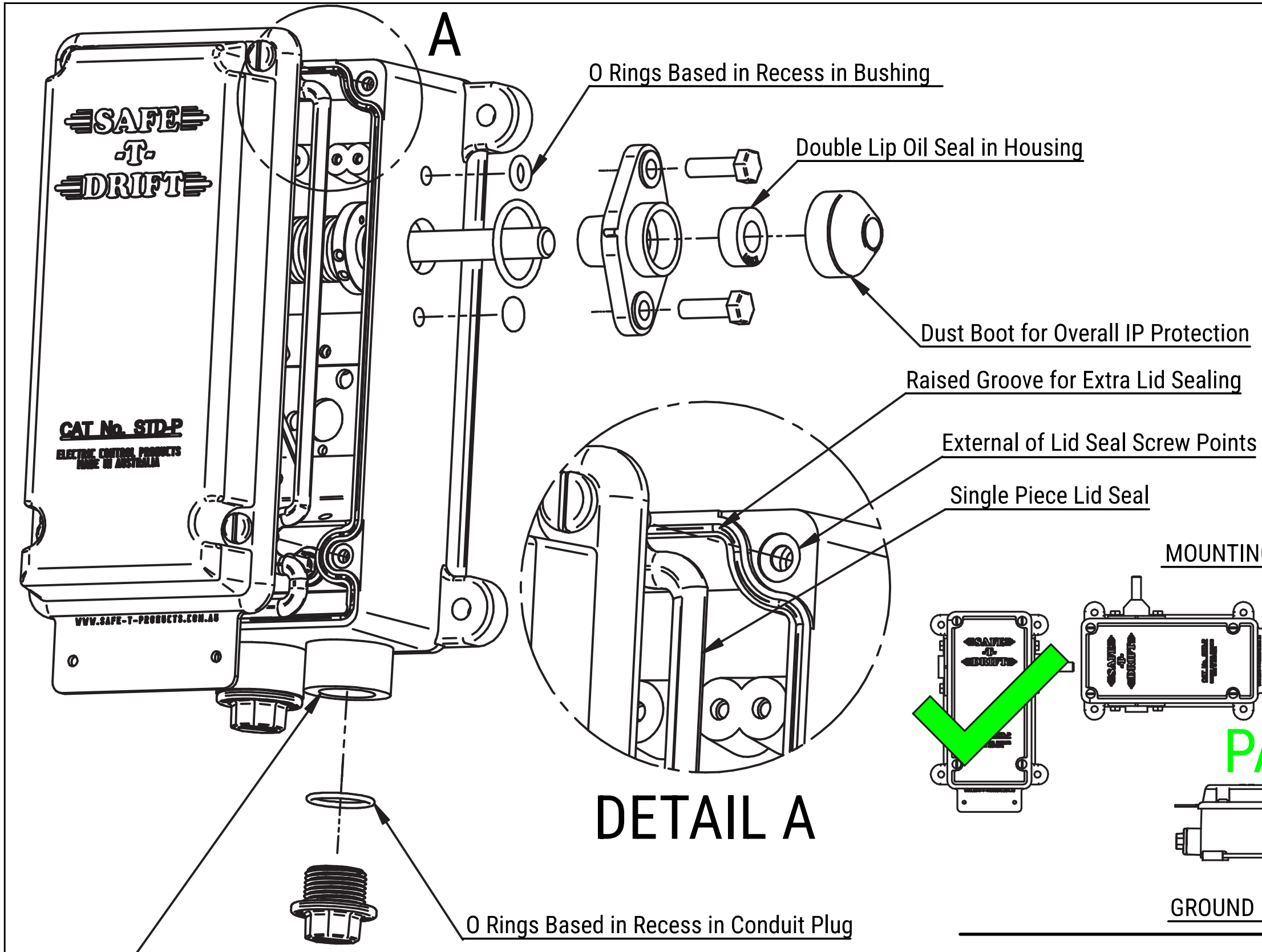


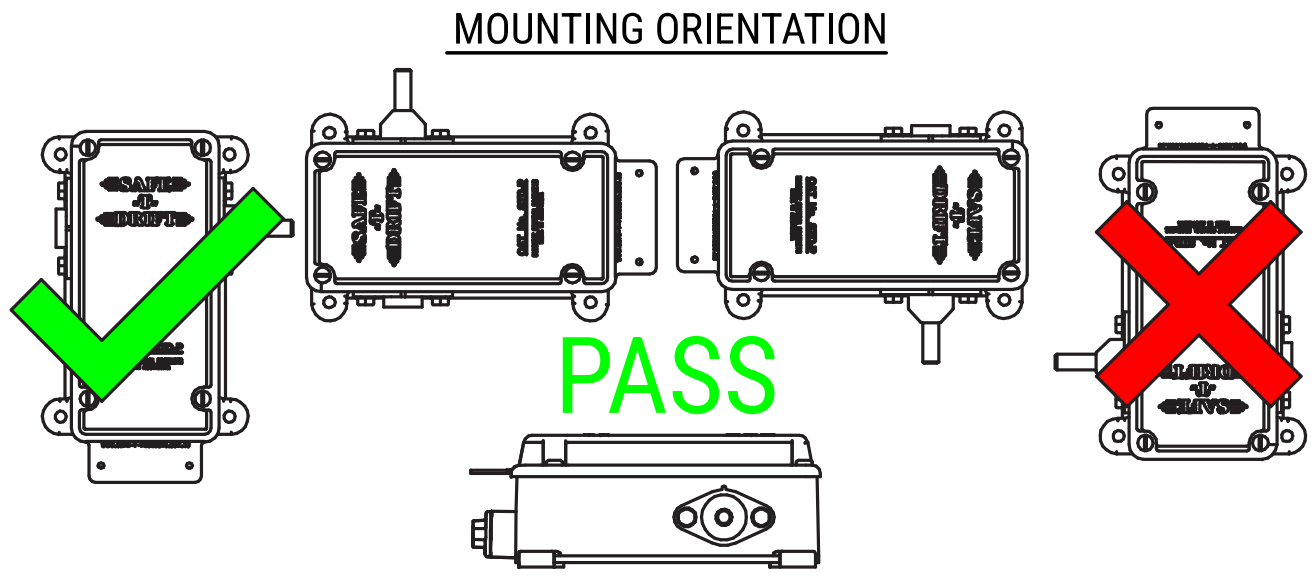


End View

safe-t PRODUCTS

IP INTEGRITY MOUNTING ORIENTATION





NOTE: The Only Ingress Point on This Enclosure Is the Conduit Entries.
Mounting the Device in the Vertical Position With the Conduit Entries Facing Downwards Is Recommended.
Horizontal Is Allowed but Be Aware of Cable Entry. Conduit Entries Facing Upwards Is Not Recommended As Ingress May Travel In From Other Locations or Gland Sealing Failure.

safe-t PRODUCTS

STANDARD

The Safe-T-Drift complies with the relevant parts of these Standards:

IEC 60947-5-1 ED. 4.0 Control circuit devices & switching elements

AS 60947.5.1:2015	Control circuit devices & switching elements		
AS4024.1-2014	Safety of machinery	Ce Conformity to:	
AS4024.3610-2015	Safety of machinery	98/37/EEC	Machinery Directive
AS4024.3612-2015	Safety of machinery	73/23/EEC	Low Voltage Directive

WORKSHOP TESTED

All devices are either hand or automation tested by trained technicians before leaving Safe-T-Products and have a date and name label of manufacture inside them. The devices are then packed insuring full working order to our stringent test parameters.

A certification certificate is available on request for full compliance to the relevant standards.

MODIFICATIONS OF DEVICE

Any modifications are ONLY to be made by Safe-T-Products or one of their registered repairers. Any unauthorised modifications may not comply with the relevant standards and may diminish the integrity and workings of the device and the warranty will become void.

Safe-T-Products and their registered repairers or distributors will not be responsible for any damage caused to the altered device or any item in, on, related or near the device, nor any injury incurred, nor actions resulting from the unauthorised alterations.

RETURNS POLICY/RE-STOCKING

Please return any defective device to place of purchase for assessment. If they are deemed to be warranty repairs or not. Return warranty devices as per warranty clause. Restocking returns will only be accepted if received by Safe-T-Products in their original condition and within thirty (30) days of delivery date stated on delivery documentation. A restocking fee applies (contact place of purchase for costs).

WARRANTY

Safe-T-Products of Perth Western Australia contact info@safe-t-products.com.au warranty period is Twenty Four (24) months from date of purchase or longer if indicated by Safe-T-Products. For warranty to be valid the goods must be received by Safe-T-Products before the end of the Twenty Four (24) month period. Safe-T-Products warrants that if any product is defective, it will, at its option, replace or repair the product. This warranty shall not apply to any defect which arises from improper use, failure to follow the products instruction, or any repair or modification made without the consent of Safe-T-Products.

The customer must contact the Distributor of the product or Safe-T-Products of Perth Western Australia via Email info@ safe-t-products.com.au before returning the faulty product. If returned they must be suitably packaged and, where relevant, returned in accordance with any particular instructions which Safe-T-Products or one of its distributors may have notified the customer at the time of contact for warranty. Returned products must be accompanied by an advice note stating the nature of any defect being claimed. Any products or parts which are replaced by Safe-T-Products or one of its distributors shall become the property of Safe-T-Products. Title to replacement products shall pass to the customer on delivery, and the period of the warranty shall be calculated from the date of the defective product.

All warranty returns to Safe-T-Products will be sent by the customer's freight at their cost. All benefits under this warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

PRODUCT SURFACE TREATMENT

STAINLESS STEEL ELECTRO POLISHING

Safe-T-Products' electro-polishing of its 316 stainless steel enclosures ensures product longevity in harsh conditions. By effectively removing all contaminants and iron from the surface of the stainless steel and drawing the chromium to the surface, this process creates a clean, non-rusting, and sterile surface. This level of precision and attention to detail in the treatment process ensures that stainless steel components remain corrosion-resistant and maintain their functionality and appearance over time.

POWDER COATED ALUMINIUM

The powder coat used on the aluminum products is a halogen-free, low-smoke, orange or yellow polyester coating. This coating improves the longevity of the aluminum surface and resists corrosion in harsh environments.

MAINTENANCE PROCEDURE

All Safe-T-Drift Devices require minimal maintenance but as in AS/NZS 4024.1:2014 a maintenance procedure must be carried out.

Recommended 6 Month Maintenance

1. Visual inspection of enclosure to ensure IP rating and correctly operating device. i.e. Damaged enclosure, bent actuator rod, damaged dust boot, damaged roller etc.
2. Activate the Safe-T-Drift Device via the roller making sure it moves freely and returns to its set position (**NOTE:** STD-LATCH won't return until pushed).
3. Inspect roller for wear or deterioration and replace if necessary.
4. After inspection, check the set position of the device as per installation instructions.

FULL SAFETY MAINTENANCE EVERY 12 MONTHS

Remove cover & check for corrosion or water ingress. Replace if necessary.
Check electrical connections for security and corrosion.
Clean lid seal and replace cover & torque down lid screws as per micro switch installation sheet.

ALL PLASTIC PRODUCTS

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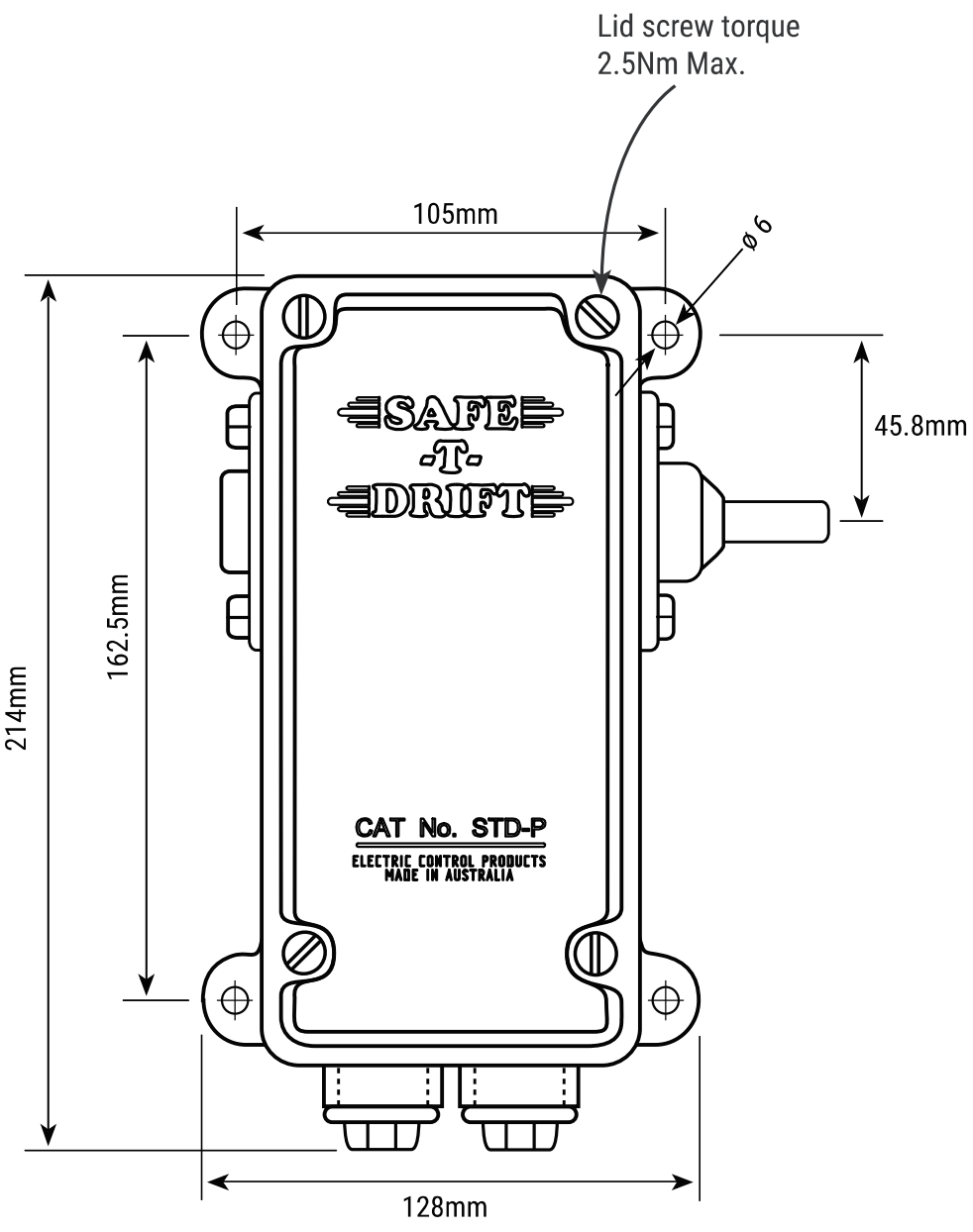

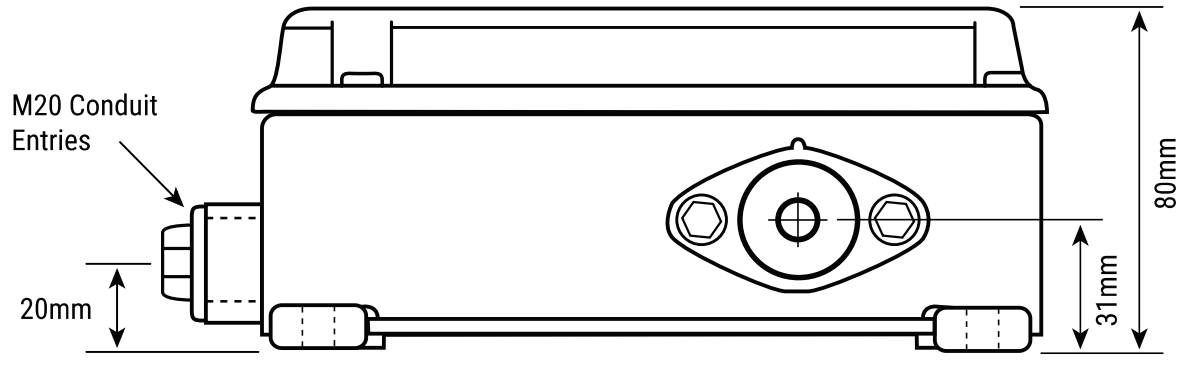

SAFE-T-DRIFT®

safe-t PRODUCTS

TECHNICAL SPECIFICATIONS

ELECTRICAL DATA:

Connection	cable
Rated operational voltage DC	24 V
Rated insulation voltage (Ui)	250 AC
Electrical type	DC
Supply voltage ripple	15 %
Switching element function	4...20 mA
Supply voltage max. (Ub)	30 V
Supply voltage min. (Ub)	10 V
Output current at se	12 mA
Output current at sl max	20,0 mA
Output current at sl min	4,0 mA
Cut off frequency (-3dB output amplitude)	500 Hz
Load resistance max (Rl)	500 Ohm
Temperature compensation	no
Linear range max (sl)	2 mm
Linear range min (sl)	0,5 mm
Non-linearity	±40 1m

GENERAL DATA:

Supply voltage indicator	no
Degree of protection IP	IP 67
Insulation class	2
Polarity reversal resistant	yes
Protected against reversal	yes

MECHANICAL DATA:

Midpoint of linear range (se)	1,25 mm
Cable code designation	LifY-Y-11Y-0
Mounting	flush mounting
Surface treatment	nickel plated
Ambient temperature max (Ta)	70 oC
Ambient temperature min (Ta)	-10 oC
Sensing face material	PA 12
Housing material	CuZn
Cable sheath material	PUR
Repeatability	3 %
Cable diameter D	5,1 mm
Working area max (sa)	2 mm
Working area min (sa)	0,5 mm
Time delay before available max	0,5 ms
Measurement velocity	40 m/s
Opt. working temperature max.	50 oC
Opt. working temperature min.	10 oC
Temperature coefficient max.	4,5 1m/K
Temperature coefficient min.	-3,5 1m/K
Temperature coefficient typ.	-0,5 1m/K
Repeat accuracy	±6,0 1m
Adjustment indicator	yes