



CleanScrape[®] Secondary Cleaner



Operating Instructions

Version: 0
Language: ENG
M4128ESA-05/20

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1 General



NOTE

Before starting work on the cleaner or the conveyor, part 1 and 2 of these operating instructions must be read and understood completely

1.1 About these operating instructions

These operating instructions apply solely for cleaners and are intended for those persons who install cleaners, commission them, and monitor their usage. The operating instructions must be kept for the lifetime of the cleaners and must be made available in an orderly condition to all persons entrusted with work with and on the cleaners.

1.2 Accompanying documents

Part 1 of the operating instructions, which is provided separately, is an integral part of these operating instructions.

1.3 Part number

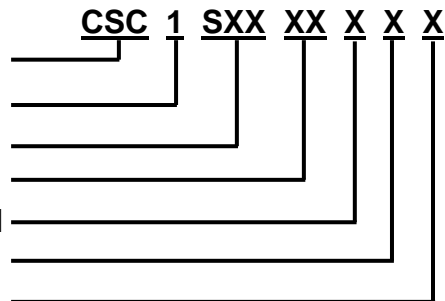
Tensioner

SQC2S™ Square Mainframe Tensioners: P/N 38664-SS.

Cleaner

Part number

Product
Mainframe design
Belt width (inch)
Number of blades
Scraping edge material
Mainframe type
Tensioner



Scraping edge material

1: Tungsten carbide

Mainframe type

S: Stainless steel

Tensioner

(-): None

S: Stainless steel

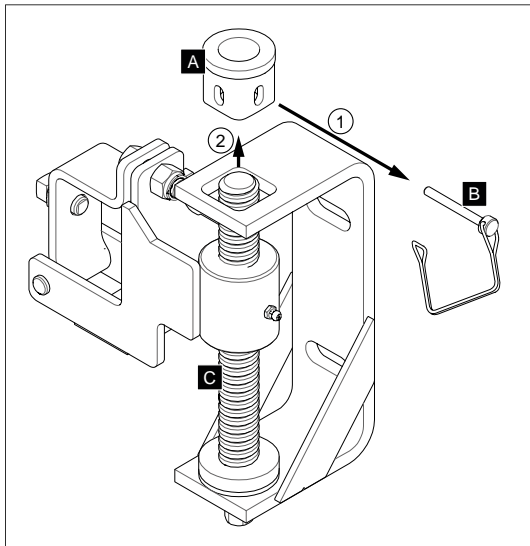
1.4 Technical data

The cleaner is suitable for the following operating parameters:

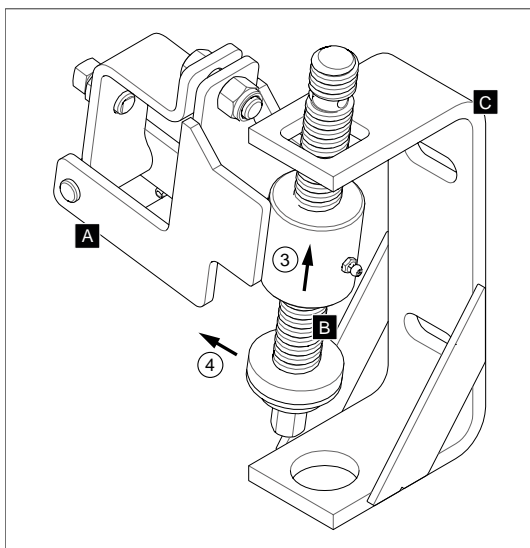
| | Operating parameter |
|----------------------|--|
| Belt widths: | 500 ... 2,600 mm |
| Pulley diameter: | any |
| Belt speed: | 3 m/s for conveyor belts with mechanical splices |
| | 5 m/s for conveyor belts with vulcanised splices |
| Temperature range: | -40 ... 315 °C |
| Reversing operation: | Yes |

2 Installation

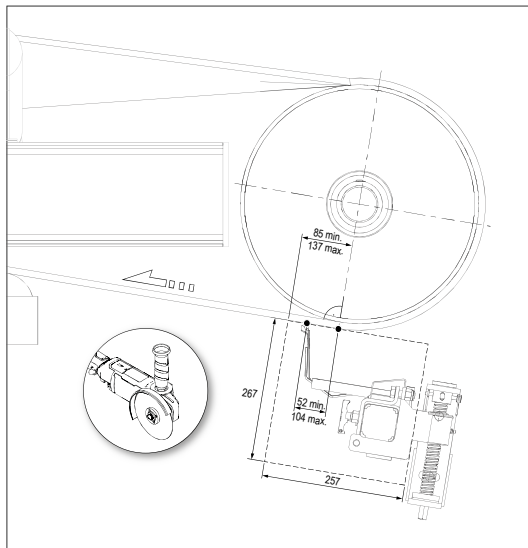
2.1 Removing tensioner



1. Pull out the Pin Wire Lock (B).
2. Remove the Top Bushing (A).



3. Slide the Pivot Block Insert (B) upwards.
4. Remove the Tensioner Arm Assembly (A) from the Mount Bracket Weldment (C).



- Determine the installation position of the cleaner and cut a corresponding opening out of the chute.

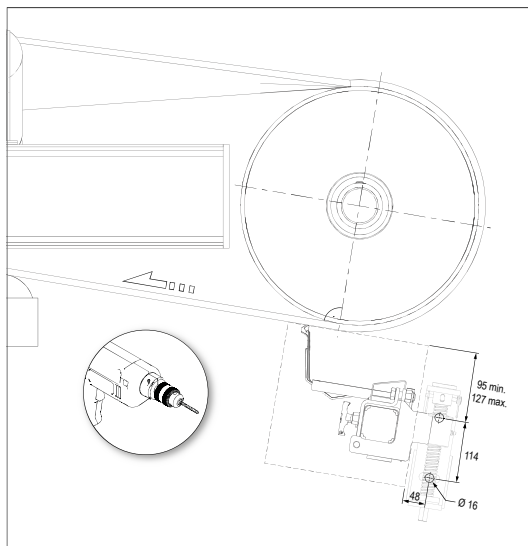


NOTE

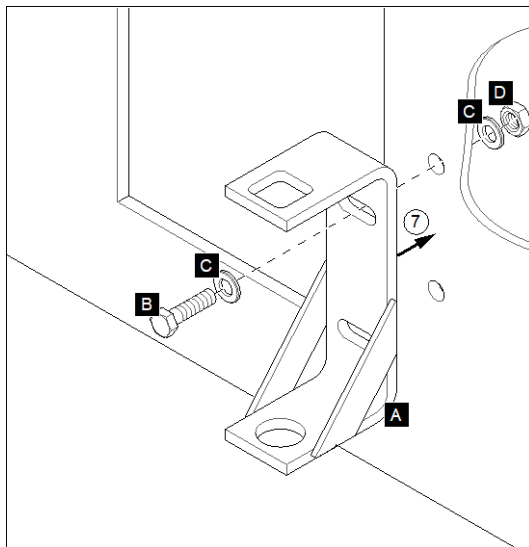
In case of cylindrical pulleys, the distance to the tangent point can be reduced from 104-52 mm to 0 mm.

If the distance to the tangent point has been reduced to 0 mm, the blades lie directly on the tangent point.

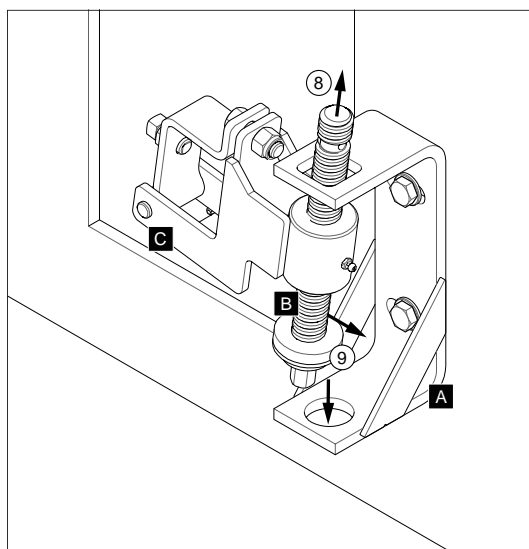
- *Observe the position of the installation opening and adjust if necessary.*



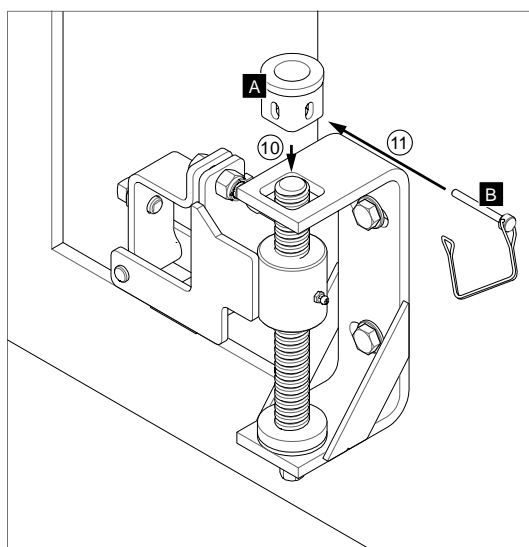
- Determine the installation position of the tensioner and drill corresponding holes into the chute.



7. Attach the Mount Bracket Weldment (A) to the chute with screw (B), washers (C) and matching nut (D).

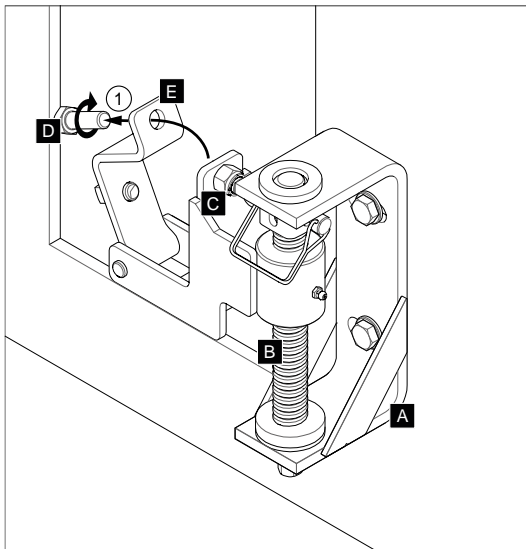


8. Insert the Tensioning Rod (B) into the upper opening of the Mount Bracket Weldment.
9. Insert the Tensioner Arm Assembly (C) in to the installation panel.

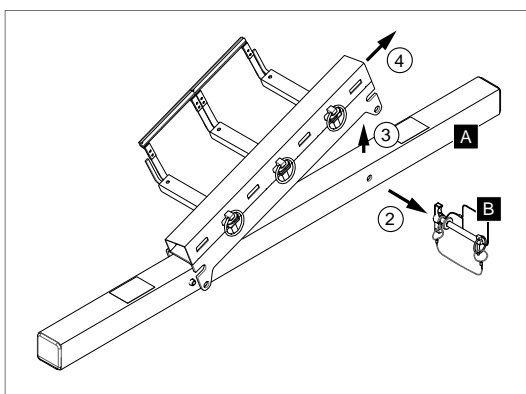


10. Insert the Top Bushing (A).
11. Insert the Pin Wire Lock (B).

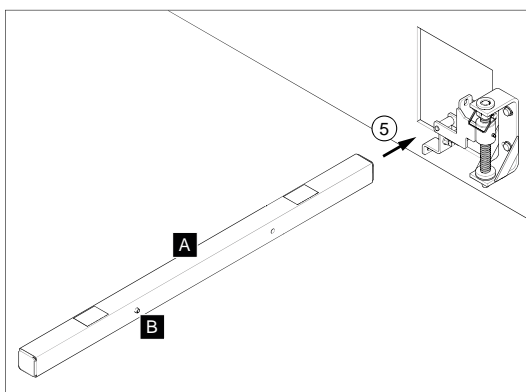
2.2 Installing cleaner



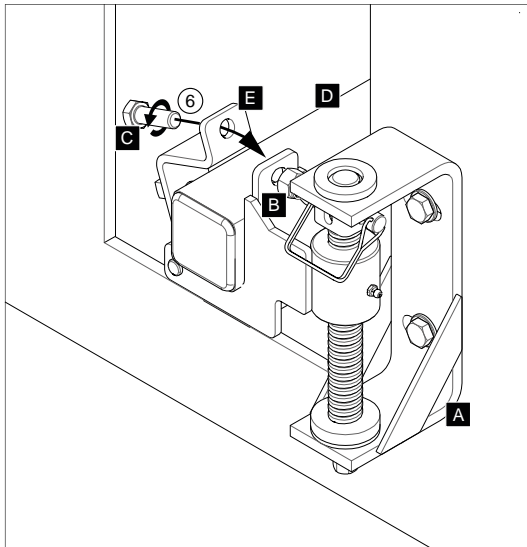
1. Unscrew the screw (D) on Hinge Clamp Weldment (E).



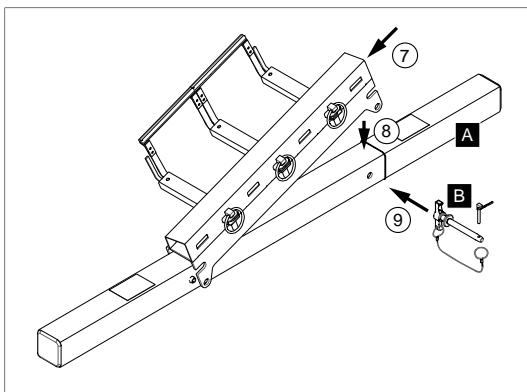
2. Remove the Pull Pin Assembly (B) from the cleaner.
3. Push the blade cartridge upwards.
4. Remove the blade cartridge.



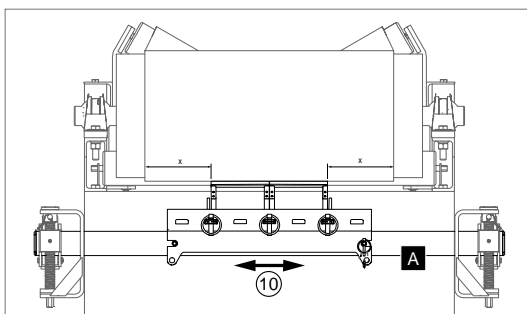
5. Insert the cleaner mainframe (A) into the Hinge Clamp Weldment so that the locking pin (B) points to the front.



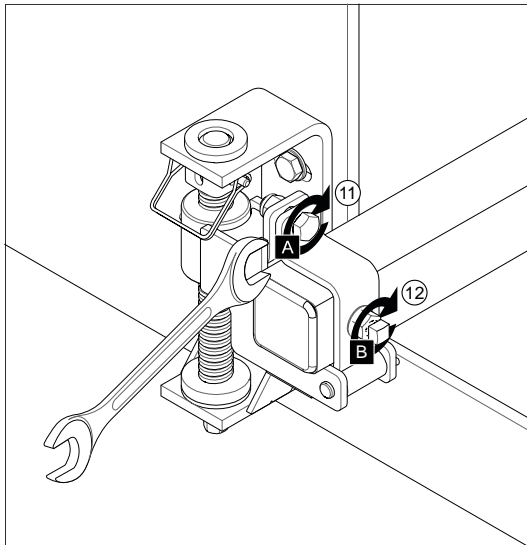
6. Tighten the Hinge Clamp Weldment (E) with the screw (C).



7. Insert the blade cartridge.
8. Place the blade cartridge on the locking pin of the cleaner mainframe (A).
9. Insert the Pull Pin Assembly (B).

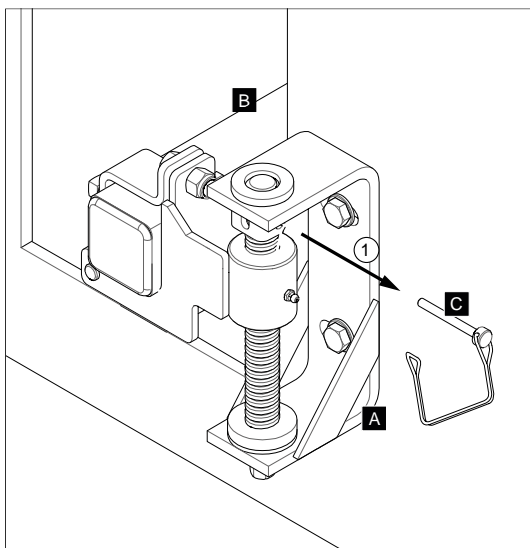


10. Align cleaner centrally.

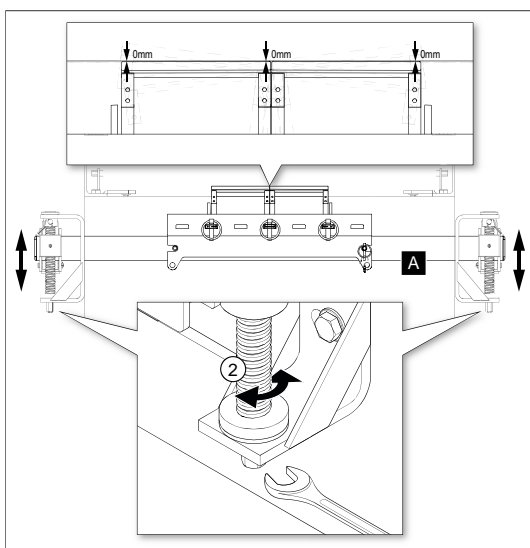


11. Tighten screw (A) firmly.
12. Tighten screw (B) firmly.

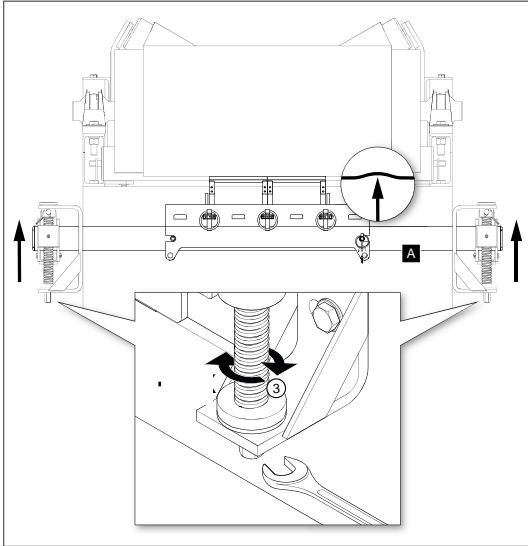
2.3 Tensioning cleaner



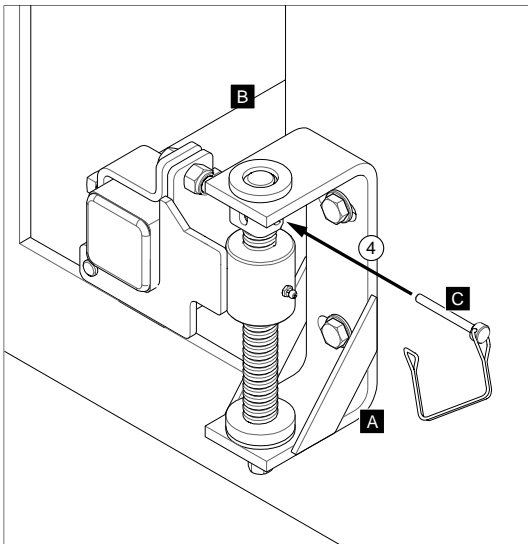
1. Remove Pin Wire Lock (C).



2. Turn the Tensioning Rods of the tensioners until all blades are slightly touching the belt.



3. Turn one full turn to tighten the cleaner.



4. Insert Pull Pin Assembly (C).

2.4 Attaching labels

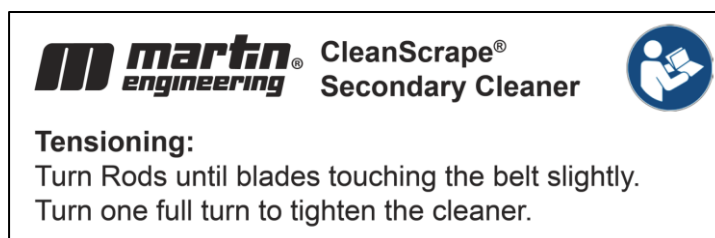
2.4.1 Warning Labels

The following label must be attached to the conveyor system in the immediate vicinity of the cleaner:



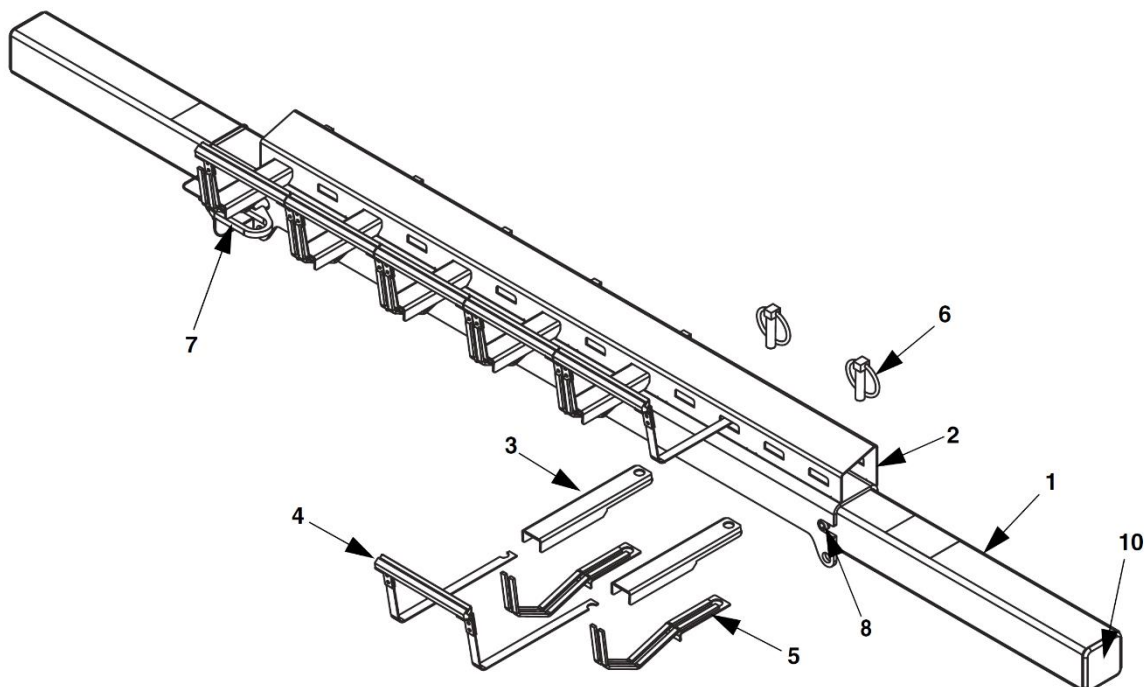
2.4.2 Other labels

The following labels are attached to the product:



3 Scope of delivery and spare parts

3.1 Secondary cleaner

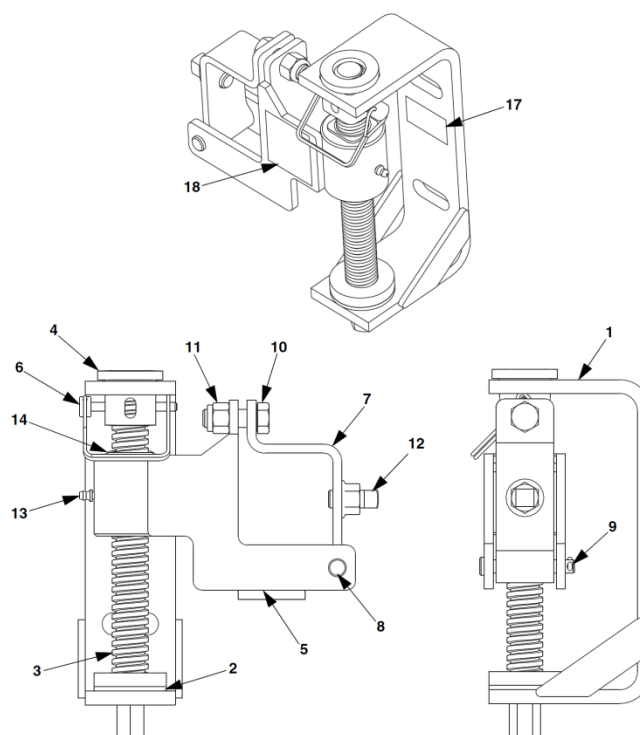


| Item | Description | Part Number | Qty |
|------|--|-------------|---------|
| 1 | Mainframe | Table I | 1 |
| 2 | Cartridge Weldment | Table I | 1 |
| 3 | Spring Arm Cover Weldment | C2CP1003S | Table I |
| 4 | Blade Arm Assembly | C2CB1 | Table I |
| 5 | Spring Arm Weldment | C2CP1006S | Table I |
| 6 | Pin Locking Lynch 7/16 | SUS10011S | Table I |
| 7 | Pull Pin Assembly | C2CP1019S | 1 |
| 8 | Pin Slotted Spring 1/2 x 3 SS | SUS10007S | 1 |
| 9 | Label Martin Product | 38048 | 2 |
| 10 | Plug | 34896-02 | 2 |
| 11 | Square Mainframe Tensioner Assembly (316 SS) | 38664-SS | 1 |
| 12 | Manual Operator's | M4128 | 1 |

Remark: Labels and manuals parts numbers vary according to the region

| Part No. | P/N Item 1 | P/N Item 2 | Qty Item 4 | Qty Items 3, 5, 6 |
|---------------|---------------|---------------|---------------|----------------------|
| C2C1S1802XXXX | C2CPMS18S | C2CP1015S03S | 2 | 3 |
| C2C1S1803XXXX | C2CPMS18S | C2CP1015S03S | 3 | 4 |
| C2C1S2403XXXX | C2CPMS24S | C2CP1015S04S | 3 | 4 |
| C2C1S2404XXXX | C2CPMS24S | C2CP1015S04S | 4 | 5 |
| C2C1S3004XXXX | C2CPMS30S | C2CP1015S05S | 4 | 5 |
| C2C1S3005XXXX | C2CPMS30S | C2CP1015S05S | 5 | 6 |
| C2C1S3605XXXX | C2CPMS36S | C2CP1015S06S | 5 | 6 |
| C2C1S3606XXXX | C2CPMS36S | C2CP1015S06S | 6 | 7 |
| C2C1S4206XXXX | C2CPMS42S | C2CP1015S07S | 6 | 7 |
| C2C1S4207XXXX | C2CPMS42S | C2CP1015S07S | 7 | 8 |
| C2C1S4807XXXX | C2CPMS48S | C2CP1015S08S | 7 | 8 |
| C2C1S4808XXXX | C2CPMS48S | C2CP1015S08S | 8 | 9 |
| C2C1S5408XXXX | C2CPMS54S | C2CP1015S09S | 8 | 9 |
| C2C1S5409XXXX | C2CPMS54S | C2CP1015S09S | 9 | 10 |
| C2C1S6009XXXX | C2CPMS60S | C2CP1015S10S | 9 | 10 |
| C2C1S6010XXXX | C2CPMS60S | C2CP1015S10S | 10 | 11 |
| C2C1S6610XXXX | C2CPMS66S | C2CP1015S11S | 10 | 11 |
| C2C1S6611XXXX | C2CPMS66S | C2CP1015S11S | 11 | 12 |
| C2C1S7211XXXX | C2CPMS72S | C2CP1015S12S | 11 | 12 |
| C2C1S7212XXXX | C2CPMS72S | C2CP1015S12S | 12 | 13 |
| C2C1S7812XXXX | C2CPMS78S | C2CP1015S13S | 12 | 13 |
| C2C1S7813XXXX | C2CPMS78S | C2CP1015S13S | 13 | 14 |
| C2C1S8413XXXX | C2CPMS84S | C2CP1015S14S | 13 | 14 |
| C2C1S8414XXXX | C2CPMS84S | C2CP1015S14S | 14 | 15 |
| C2C1S9014XXXX | C2CPMS90S | C2CP1015S15S | 14 | 15 |
| C2C1S9015XXXX | C2CPMS90S | C2CP1015S15S | 15 | 16 |
| C2C1S9615XXXX | C2CPMS96S | C2CP1015S16S | 15 | 16 |
| C2C1S9616XXXX | C2CPMS96S | C2CP1015S16S | 16 | 17 |

3.2 Tensioner



| Item | Description | Part Number | Qty |
|---------|----------------------------------|-------------|-----|
| 1 | Mount Bracket Weldment | 35672 | 2 |
| 2 | Bottom Bushing | 35674 | 2 |
| 3 | Tensioning Rod | 35682 | 2 |
| 4 | Top Bushing | 35683-C | 2 |
| 5 | Tensioner Arm Assembly | 38663 | 2 |
| 6 | Pin Wire Lock 1/4 x 2.25 ZP | 35685 | 2 |
| 7 | Hinge Clamp Weldment | 38661 | 2 |
| 8 | Pin Clevis 3/8 x 2-1/2 ZP | 35687 | 2 |
| 9 | Pin Cotter 1/8 x 3/4 SS | 31297 | 2 |
| 10 | Screw HHC 1/2-13NC x 1-1/2 ZP | 11763 | 2 |
| 11 | Nut Hex Elastic Lock 1/2-13NC ZP | 18577 | 2 |
| 12 | Screw SHS 1/2-13NC x 1 SS | 22763-03 | 2 |
| 13 | Fitting Grease 3/16 | 38584 | 2 |
| 14 | Pivot Block Insert | 35684 | 2 |
| 15 (NS) | Mounting Hardware | 35283 | 1 |
| 16 (NS) | Label Conveyor Products Warning | 23395 | 2 |
| 17 | Label Martin Products | 32238 | 2 |
| 18 | Label Tensioning | SQC2-10002 | 4 |
| 19 (NS) | Operator's Manual | M3815 | 1 |

Remark: Labels and manuals parts numbers vary according to the region

South Africa

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