



CleanScrape[®] Secondary Cleaner



Operating Instructions Part 2

Version: 0

M4128EUK-05/20

Table of Contents

1	General.....	2
1.1	About these operating instructions	2
1.2	Accompanying documents.....	2
1.3	Part number	3
1.4	Technical data	3
2	Installation	4
2.1	Removing tensioner.....	4
2.2	Installing cleaner.....	7
2.3	Tensioning cleaner	9
2.4	Attaching labels	11
3	Scope of delivery and spare parts	12
3.1	Secondary cleaner.....	12
3.2	Tensioner.....	14

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

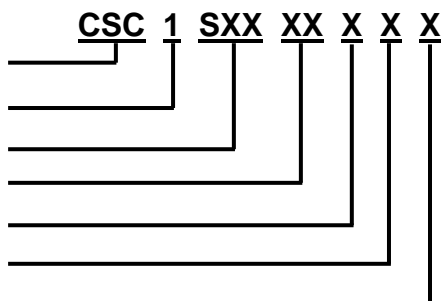
Belt width (inch)

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

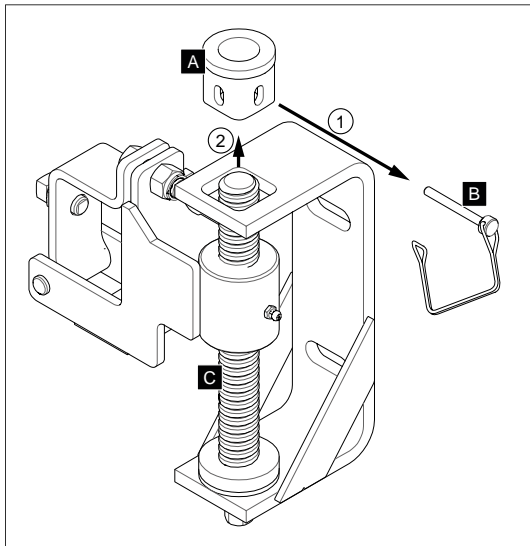
1.4 Technical data

The cleaner is suitable for the following operating parameters:

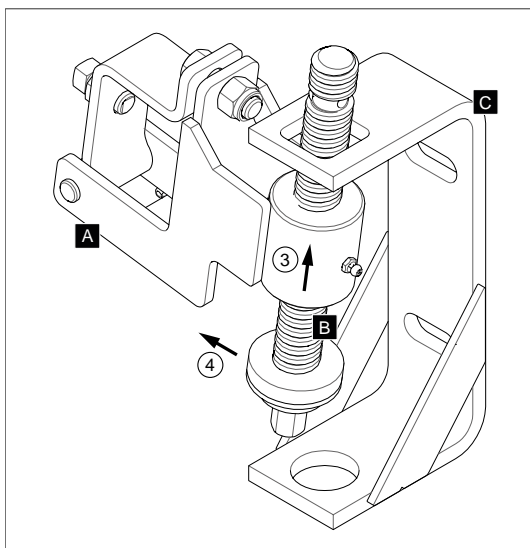
	Operating parameter
Belt widths:	500 ... 2,600 mm
Pulley diameter:	any
Belt speed:	3 m/s for conveyor belts with mechanical splices
	5 m/s for conveyor belts with vulcanised splices
Temperature range:	-40 ... 315 °C
Reversing operation:	Yes

2 Installation

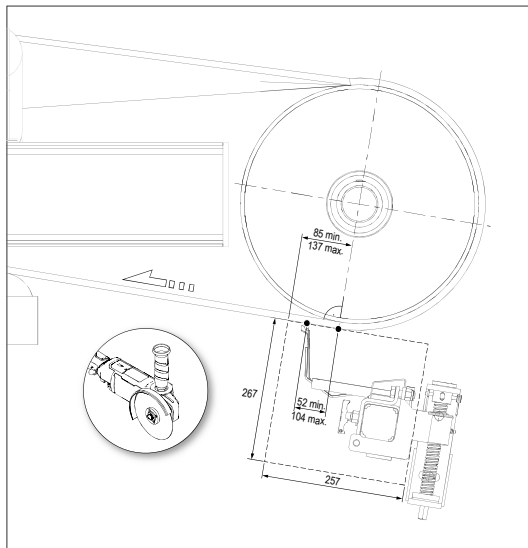
2.1 Removing tensioner



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).



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

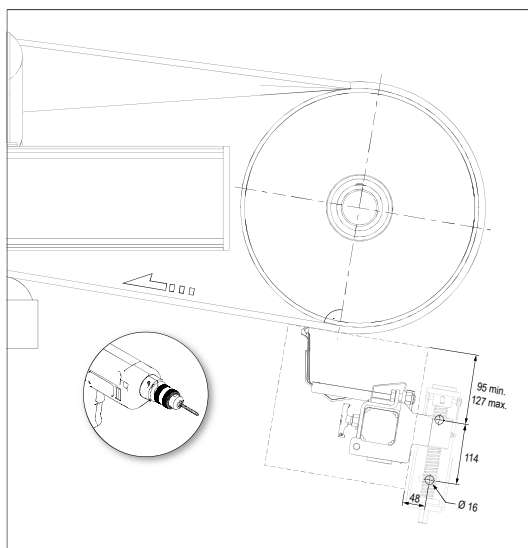


NOTE

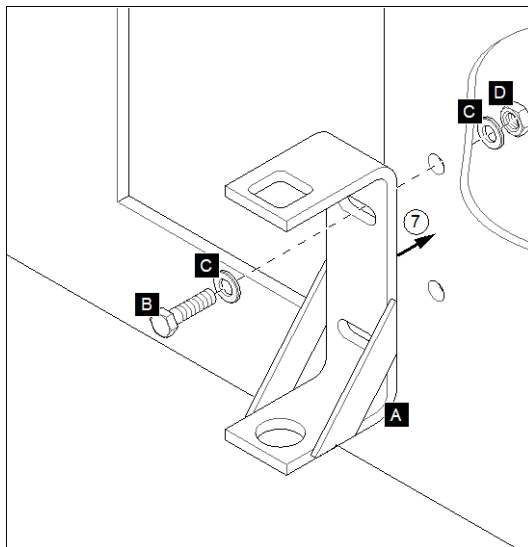
In case of cylindrical pulleys, the distance to the tangent point can be reduced from 104-52 mm to 0 mm.

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

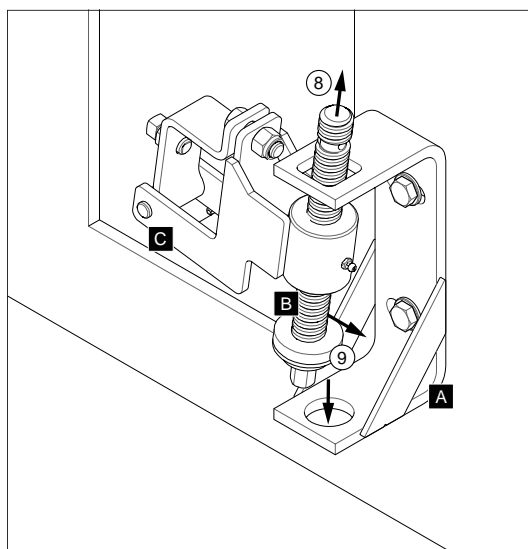
- *Observe the position of the installation opening and adjust if necessary.*



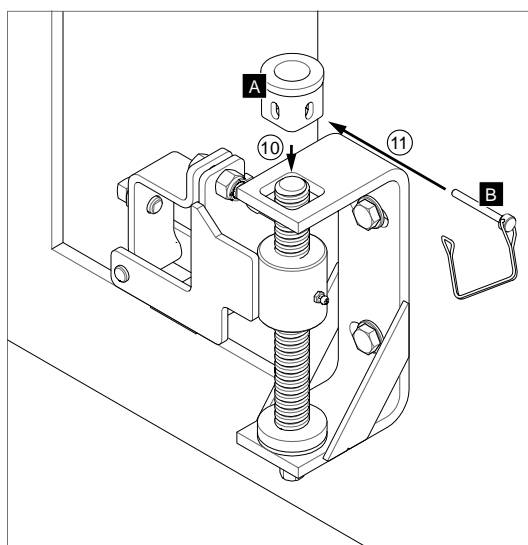
6. Determine the installation position of the tensioner and drill corresponding holes into the chute.



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

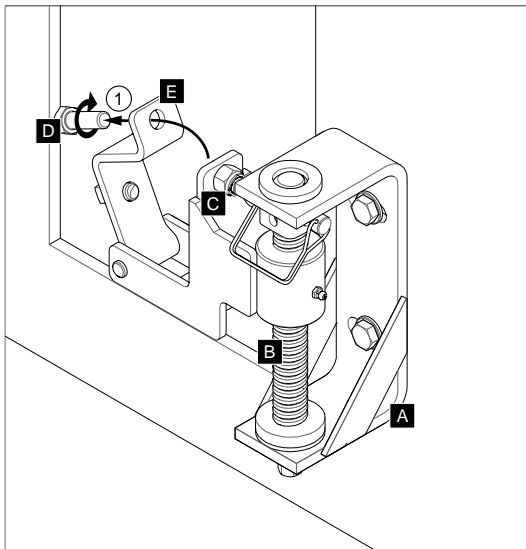


8. Insert the Tensioning Rod (B) into the upper opening of the Mount Bracket Weldment.
9. Insert the Tensioner Arm Assembly (C) in to the installation panel.

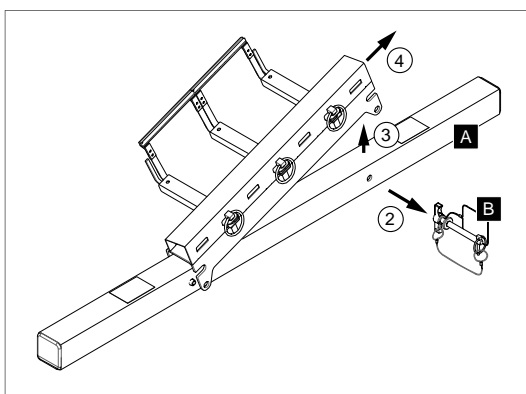


10. Insert the Top Bushing (A).
11. Insert the Pin Wire Lock (B).

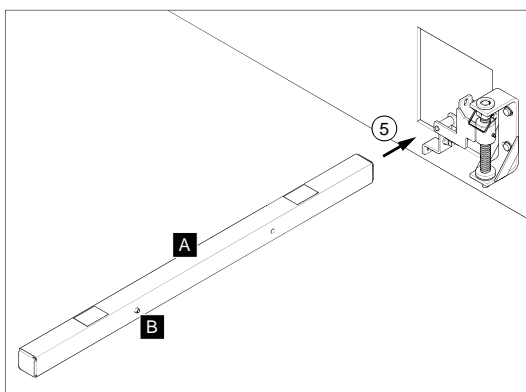
2.2 Installing cleaner



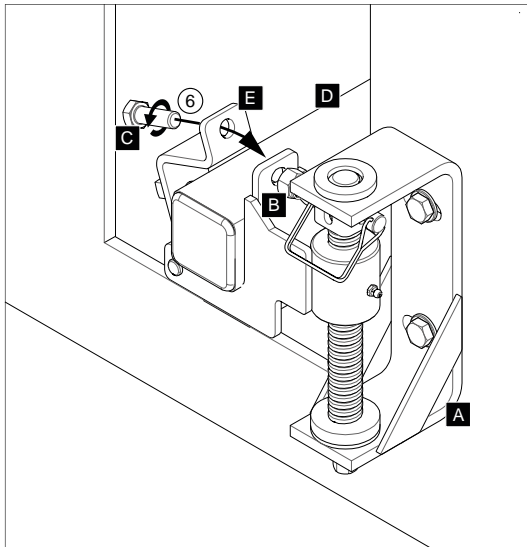
1. Unscrew the screw (D) on Hinge Clamp Weldment (E).



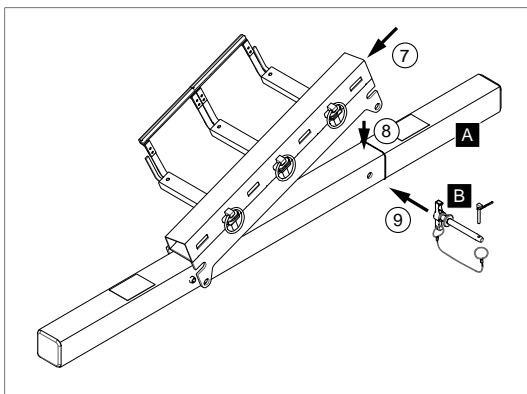
2. Remove the Pull Pin Assembly (B) from the cleaner.
3. Push the blade cartridge upwards.
4. Remove the blade cartridge.



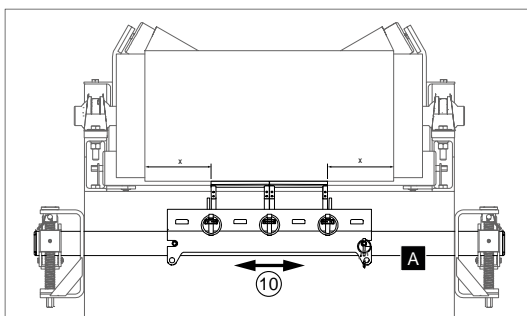
5. Insert the cleaner mainframe (A) into the Hinge Clamp Weldment so that the locking pin (B) points to the front.



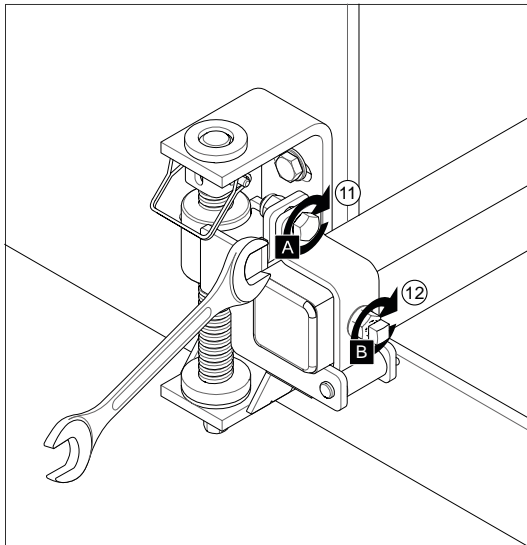
6. Tighten the Hinge Clamp Weldment (E) with the screw (C).



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).

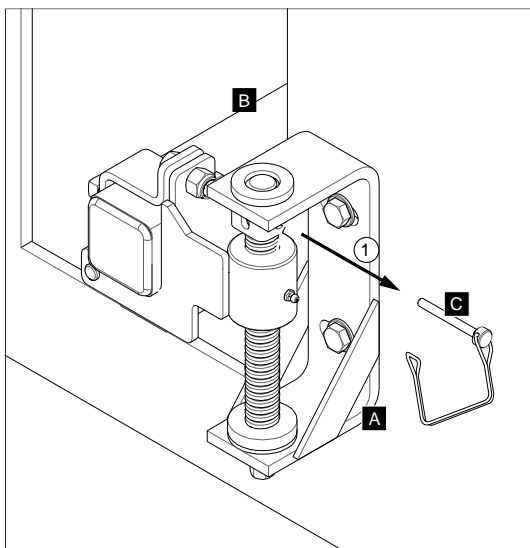


10. Align cleaner centrally.

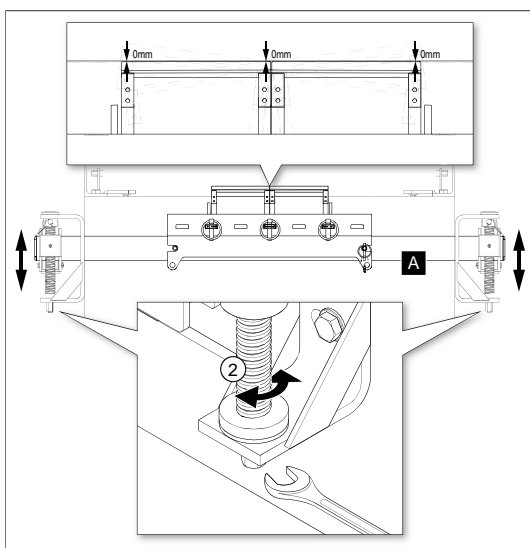


11. Tighten screw (A) firmly.
12. Tighten screw (B) firmly.

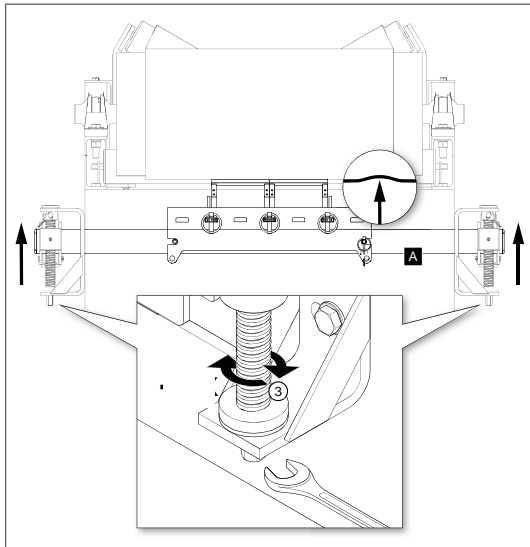
2.3 Tensioning cleaner



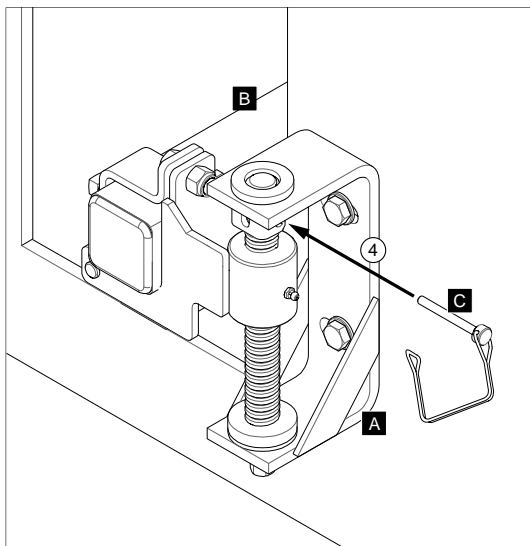
1. Remove Pin Wire Lock (C).



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

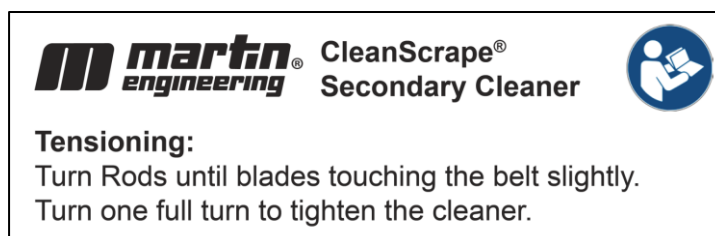
2.4.1 Warning Labels

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



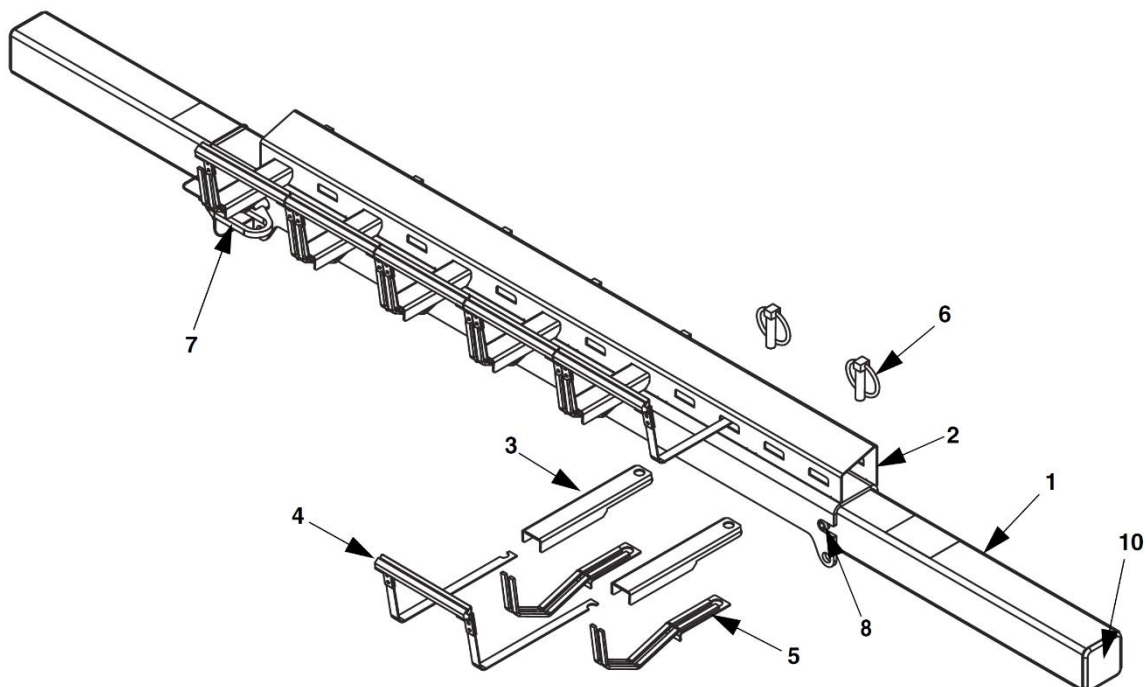
2.4.2 Other labels

The following labels are attached to the product:



3 Scope of delivery and spare parts

3.1 Secondary cleaner

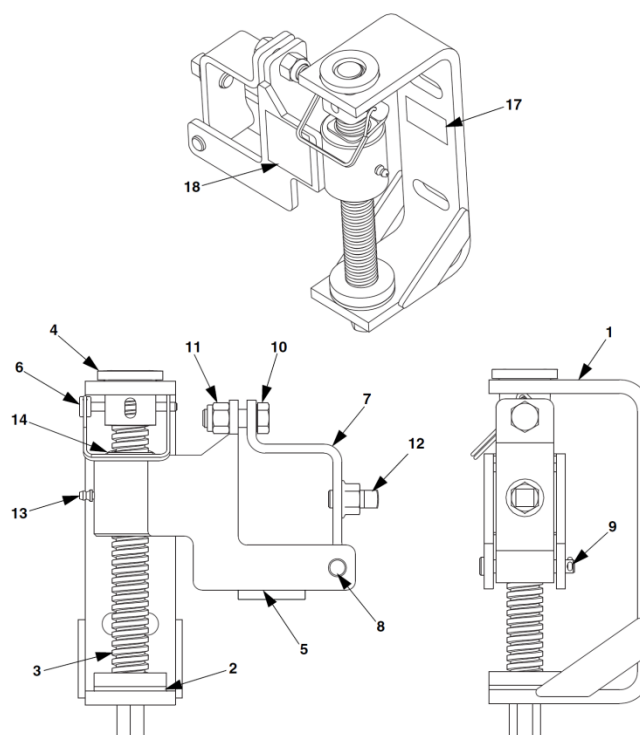


Item	Description	Part Number	Qty
1	Mainframe	Table I	1
2	Cartridge Weldment	Table I	1
3	Spring Arm Cover Weldment	C2CP1003S	Table I
4	Blade Arm Assembly	C2CB1	Table I
5	Spring Arm Weldment	C2CP1006S	Table I
6	Pin Locking Lynch 7/16	SUS10011S	Table I
7	Pull Pin Assembly	C2CP1019S	1
8	Pin Slotted Spring 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



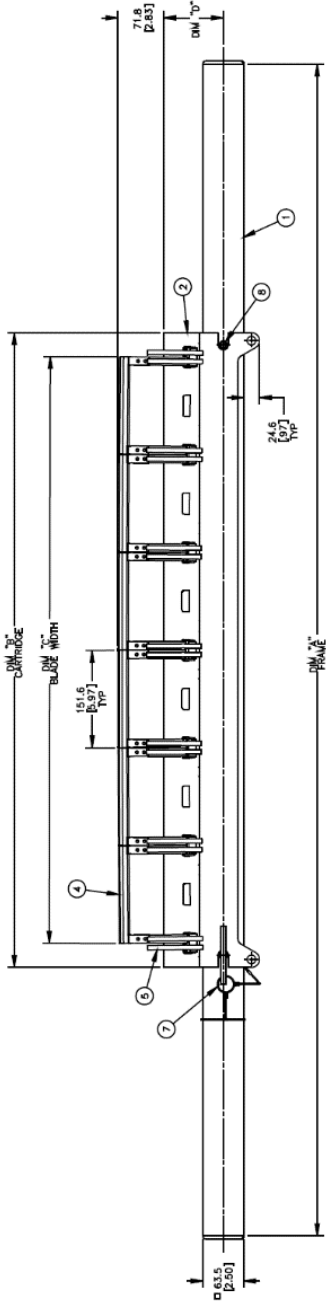
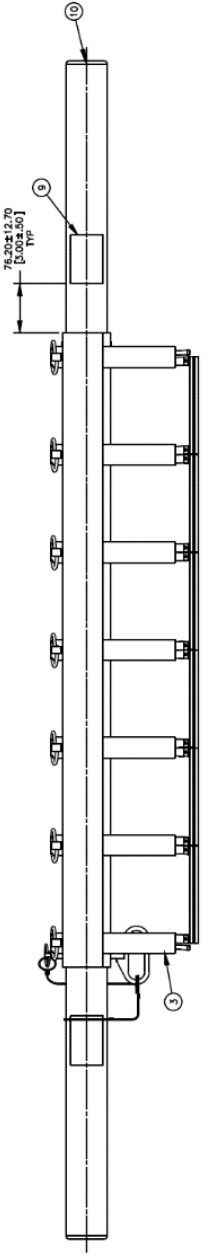
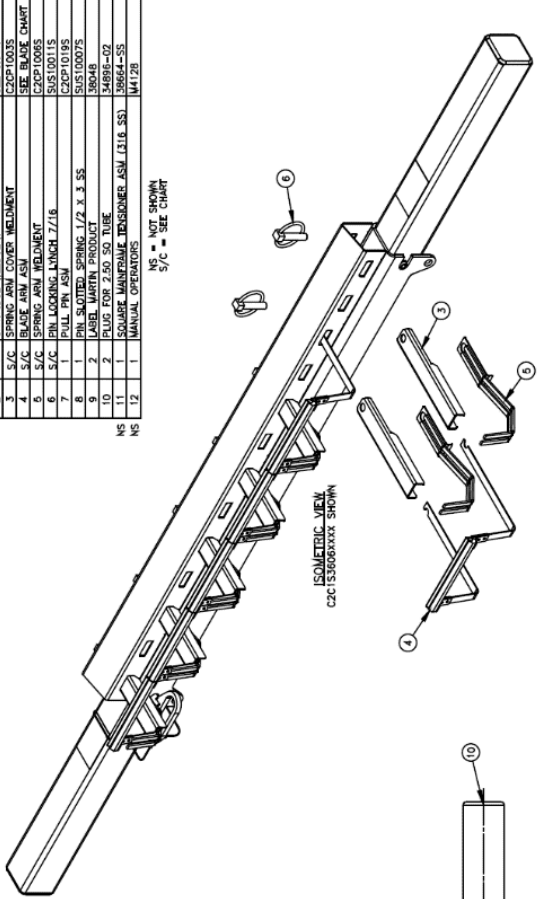
Item	Description	Part Number	Qty
1	Mount Bracket Weldment	35672	2
2	Bottom Bushing	35674	2
3	Tensioning Rod	35682	2
4	Top Bushing	35683-C	2
5	Tensioner Arm Assembly	38663	2
6	Pin Wire Lock 1/4 x 2.25 ZP	35685	2
7	Hinge Clamp Weldment	38661	2
8	Pin Clevis 3/8 x 2-1/2 ZP	35687	2
9	Pin Cotter 1/8 x 3/4 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

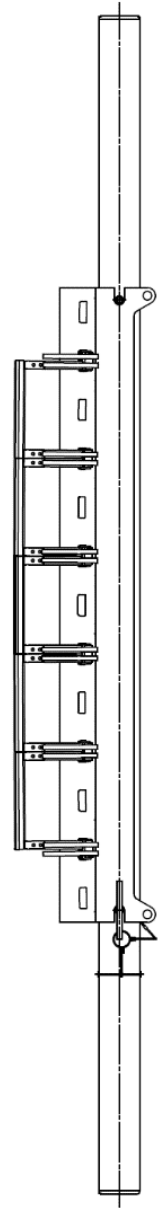
BLADE CHART	
PART NUMBER	P/N ITEM 4
C2C1S360XXXX	C2C1

PART NO.	QTY	UNIT	ITEM	DESCRIPTION	QTY	UNIT	ITEM	DESCRIPTION
C2C1S360XXXX	1	EA	1	MANFRAME TUBE	1	EA	1	MANFRAME TUBE
C2C1S360XXXX	1	EA	2	CARBIDE WELDMENT	1	EA	2	CARBIDE WELDMENT
C2C1S360XXXX	1	EA	3	BLADE PIN ASSEMBLY	1	EA	3	BLADE PIN ASSEMBLY
C2C1S360XXXX	1	EA	4	S/C CARTRIDGE	1	EA	4	S/C CARTRIDGE
C2C1S360XXXX	1	EA	5	S/C SPRING ARM WELDMENT	1	EA	5	S/C SPRING ARM WELDMENT
C2C1S360XXXX	1	EA	6	S/C PIN LOCKING WRENCH 7/16	1	EA	6	S/C PIN LOCKING WRENCH 7/16
C2C1S360XXXX	1	EA	7	SUS10011S	1	EA	7	SUS10011S
C2C1S360XXXX	1	EA	8	PIN SLOTTED SPRING 1/2 X 3 S3	1	EA	8	PIN SLOTTED SPRING 1/2 X 3 S3
C2C1S360XXXX	1	EA	9	LABEL MARTIN PRODUCT	1	EA	9	LABEL MARTIN PRODUCT
C2C1S360XXXX	1	EA	10	PLUG FOR 7/80 SO TUBE	1	EA	10	PLUG FOR 7/80 SO TUBE
C2C1S360XXXX	1	EA	11	MANFRAME TENSORING ASM (11.6.83)	1	EA	11	MANFRAME TENSORING ASM (11.6.83)
C2C1S360XXXX	1	EA	12	MANUAL OPERATORS	1	EA	12	MANUAL OPERATORS

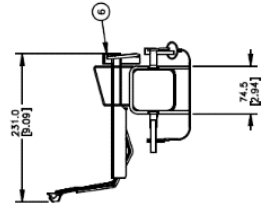
NS - NOT SHOWN
S/C - SEE CHART



C2C1S360XXXX SHOWN



C2C1S360XXXX SHOWN



NOTES:
1) THE "C/C" PART NUMBER INDICATES CARTRIDGE TYPE, MANFRAME, AND THE NEXT "X" INDICATES THE NUMBER OF BLADES.
2) THE "S/C" PART NUMBER INDICATES THE NUMBER OF BLADES, THE NEXT "X" INDICATES THE MANFRAME TYPE.
3) THE "M" PART NUMBER INDICATES THE MANFRAME TYPE.
4) THE "L" PART NUMBER INDICATES THE TENSORING OPTIONS: BLANK = NO TENSORING, 1 = STAINLESS STEEL.

REV	DESCRIPTION	DATE	BY
1	ISSUE FOR PRODUCTION	06/09/19	JAH
2	ISSUE FOR PRODUCTION	06/09/19	JAH
3	ISSUE FOR PRODUCTION	06/09/19	JAH
4	ISSUE FOR PRODUCTION	06/09/19	JAH
5	ISSUE FOR PRODUCTION	06/09/19	JAH
6	ISSUE FOR PRODUCTION	06/09/19	JAH
7	ISSUE FOR PRODUCTION	06/09/19	JAH
8	ISSUE FOR PRODUCTION	06/09/19	JAH
9	ISSUE FOR PRODUCTION	06/09/19	JAH
10	ISSUE FOR PRODUCTION	06/09/19	JAH
11	ISSUE FOR PRODUCTION	06/09/19	JAH
12	ISSUE FOR PRODUCTION	06/09/19	JAH

TITLE		CLEANSRAPE SECONDARY CLEANER ASSEMBLY	
DRAWN		MARTIN ENGINEERING	
CHECKED		NEFONSET, IL USA	
DATE		06/09/19	
SCALE		1:1	
PART NUMBER		C2C1S360XXXX	
DRAWING NUMBER		C2C1S360XXXX	
REVISIONS		-	

Contact :

India

Martin Engineering Company India Pvt. Ltd.

Plot No. 191, 192, 193,

Vadu Khurd, Alandi-Markal Road,

Phulgaon, Pune 412 216

Tel +91 20 66788270

salesindia@martin-eng.com | www.martin-eng.in