

Martin® QC1+™ Cleaner PV with One-Piece Mainframe



The [Martin® QC1+™ Cleaner PV](#) introduces the next generation of belt cleaning technology.

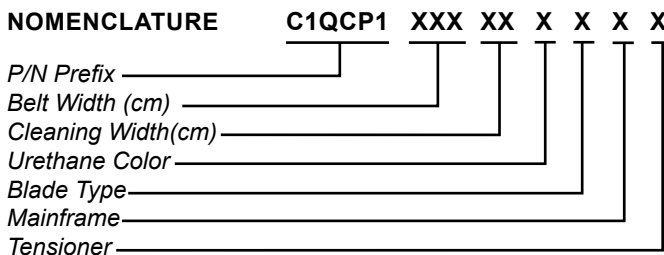
The economically efficient system consisting of pre-cleaner and tensioner combines efficient cleaning with a long wear life and minimum maintenance effort.

SPECIFICATIONS

| Belt Widths (mm) | Pulley Diameter (mm) | Maximum Belt Speed (m/sec.) | Operating Temperature* (°C) | Reversing operation** |
|------------------|----------------------|-----------------------------|-----------------------------|-----------------------|
| 500 - 1800 | 300 - 400 | 2,5 | -40 - +150 | Yes |

*Depending on polyurethane type

**Reversing operation is possible but has no cleaning effect.



FEATURES & BENEFITS

- Same ease of installation as original Martin® QC1™ Cleaners, maintaining standard installation and service costs.
- Utilizes Martin's highly effective, patented CARP profile, ensuring the highest level of cleaning performance expected from a Martin® Belt Cleaner.

BELT WIDTH

XXX: indicates belt width in cm (050 - 180)

CLEANING WIDTH

- 10:** Belt width - 10 cm
- 20:** Belt width - 20 cm
- 30:** Belt width - 30 cm
- 40:** Belt width - 40 cm
- 50:** Belt width - 50 cm

URETHANE COLOR

- 0:** No Blade
- B:** Brown
- G:** Green
- O:** Orange

BLADE TYPE

- 0:** No Blade/Segmented
- 1:** Solid

MAINFRAME

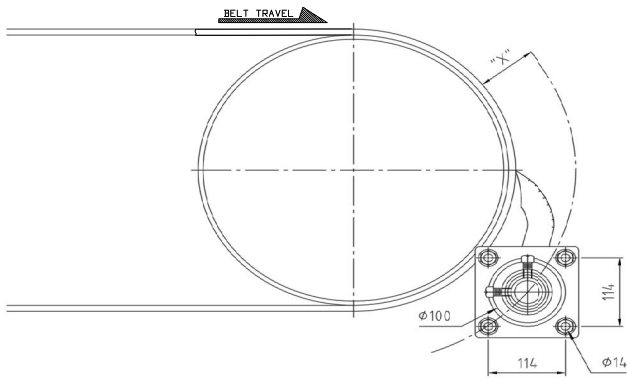
- A:** Stainless Steel
- B:** Extended Stainless steel
- E:** Extended Painted with Aluminum Blade insert
- P:** Painted Steel with Aluminum Blade Insert

TENSIONER

- T:** Martin® Twist Tensioner (P/N 38850)
- S:** Martin® Spring Tensioner (P/N 38180)
- P:** Martin® Spring Tensioner Stainless Steel (P/N 38180-SS)
- 0:** No tensioner

TECHNICAL DATA SHEET

MOUNTING LOCATION



| Pulley Diameter* (mm) | Mounting Location X (mm) |
|--------------------------|-----------------------------|
| 300-400 | 76 |

*(Including pulley lining and conveyor belt)

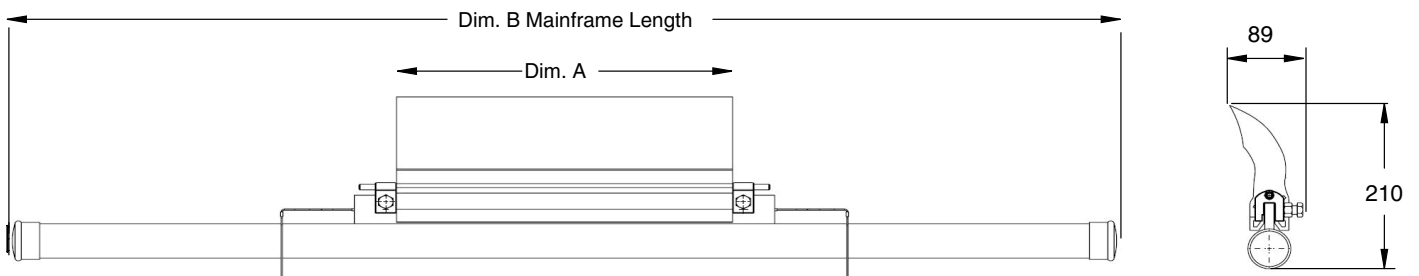
Use segmented blade on crowned head pulley.

DIMENSIONS (mm)

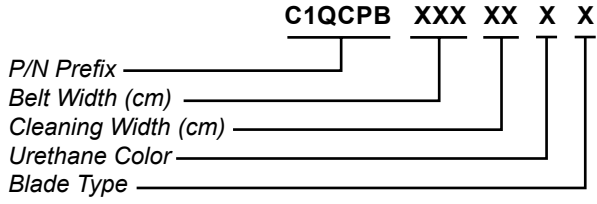
| Belt Width (mm) | Cleaning Width (A) | | Mainframe Length (B) Standard (mm) | Mainframe Length (B) Extended (mm) |
|--------------------|--------------------|--------------|--|--|
| | min. (mm) | max. (mm) | | |
| 500 | 300 | 400 | 1.300 | 1.700 |
| 600 | 400 | 500 | 1.400 | 1.800 |
| 650 | 450 | 550 | 1.450 | 1.850 |
| 750 | 550 | 650 | 1.550 | 1.950 |
| 800 | 600 | 700 | 1.600 | 2.000 |
| 900 | 600 | 700 | 1.700 | 2.100 |
| 1.000 | 700 | 800 | 1.800 | 2.200 |
| 1.050 | 750 | 850 | 1.850 | 2.250 |
| 1.200 | 800 | 1.000 | 2.000 | 2.400 |
| 1.350 | 950 | 1.150 | 2.150 | 2.550 |
| 1.400 | 1.000 | 1.200 | 2.200 | 2.600 |
| 1.500 | 1.000 | 1.300 | 2.300 | 2.700 |
| 1.600 | 1.100 | 1.400 | 2.400 | 2.800 |
| 1.650 | 1.150 | 1.450 | 2.450 | 2.850 |
| 1.800 | 1.300 | 1.600 | 2.600 | 3.000 |

Note: Dimension A equals belt width minus XX cm.

Dual Tensioners are required for belt widths greater than 1400 mm.



REPLACEMENT BLADE NOMENCLATURE



BELT WIDTH

XXX: indicates belt width in cm (050 - 180)

BLADE WIDTH

10: Belt width - 10 cm
20: Belt width - 20 cm
30: Belt width - 30 cm
40: Belt width - 40 cm
50: Belt width - 50 cm

URETHANE COLOR

B: Brown
G: Green
O: Orange

BLADE TYPE

0: Segmented
1: Solid

RECOMMENDED TENSIONERS

| Tensioner | P/N |
|---------------------------------|---------|
| Martin® Twist Tensioner | 38850 |
| Martin® HD Twist Dual Tensioner | 38850-2 |

FREQUENTLY ASKED QUESTIONS

My Pre-Cleaner keeps flipping through.

The mounting location may be too far away from the belt. Relocate to the proper dimension.

Replace the mainframe if they are bent.

My Pre-Cleaner is wearing more in the center of the blade.

The blade is too wide for this application. Replace with a shorter length blade.



Martin Engineering Ltd

The Tangent Hub, Unit 33,
 Weighbridge Rd, Shirebrook,
 Mansfield, NG20 8RX, UK
 Ph.: 0044 (0)115 946 4746
 info@martin-eng.co.uk | www.martin-eng.co.uk