

Martin® QC1+™ Cleaner HD Max Three-Piece Mainframe



The [Martin® QC1+™ Cleaner HD Max](#) tackles the tough jobs. Designed for rugged conditions, this sturdy cleaner allows for quick and easy blade change, making replacement of a worn blade a simple procedure.

The Martin® QC1+™ Cleaner HD Max includes a Spring Tensioner to maintain proper cleaning pressure while minimizing the need for adjustment.

Dual tensioners are supplied with cleaners for belts 48 in. (1219 mm) wide or wider.

NOTES

Martin® QC1+™ Cleaners HD Max are available for belts up to 120 in. (3048 mm) wide. For belts wider than 72 in. (2000 mm) a dual-blade assembly is required.

Normal blade length is belt width less 6 in. (150 mm). For belts with a 45° trough or where material is centered on belt, customer should consider a blade that is belt width less 12 in. (300 mm). This is because belt edges may not require cleaning, and blade-to-belt friction in these areas may lead to premature wear of cleaner and/or belt.

FREQUENTLY ASKED QUESTIONS

My Pre-Cleaner keeps flipping through. What is wrong?
The mounting location may be too far away from the belt. Relocate to the proper mounting location. Replace the mainframe or end weldments if they are bent. Check set screws to determine if they are tight. Retighten if necessary.

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.

BENEFITS

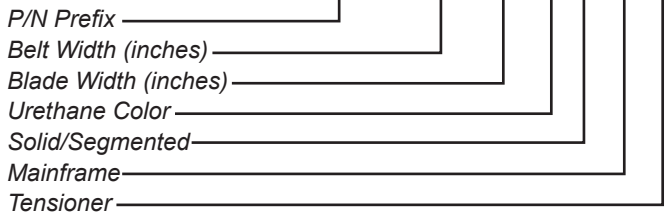
- **Fast Blade Change Cuts Service Expense**
Blade holders—2x stronger and more reliable than securing blades with pins—makes blade replacement a fast and easy operation.
- **Matched Tensioner Maintains Consistent Cleaning**
Martin® QC1+™ Cleaner HD Max and Spring Tensioner are system-engineered to preserve the cleaning edge from high belt speeds and multiple splices.
- **Curved Blade Provides Consistent Cleaning**
Patented “CARP” (Constant Angle Radial Pressure) design maintains cleaning performance through all stages of blade life.
- **Rugged Construction Suits Tough Conditions**
Mainframe of rugged 3/8-in. (9.5-mm) thick DOM steel tubing has steel bar backbone. Aluminum extrusion in blade base holds cleaner snugly to backbone.
- **Blade Materials Match Application**
Martin Engineering’s urethane expertise provides blades to suit standard, high-temperature, or high-abrasion conditions.
- **The Most Cleaner, the Least Investment**
Economical pre-cleaner and tensioner system combines effective cleaning, durable life, and low-maintenance requirements.

ACCESSORIES

PART	P/N
Martin® Steel Inspection Door	CYA-1818
Martin® Hanger Mount XHD Assembly	27382-SL

TECHNICAL DATA SHEET

NOMENCLATURE C1QCG3 SXX SX X X X X



BELT WIDTH

SXX: XX indicates belt width in inches (18 thru 72)

BLADE WIDTH

00: No Blade
S6: 6 Inches less Belt Width
S8: 8 Inches less Belt Width
SC: 12 Inches less Belt Width

URETHANE COLOR

0: No Blade
B: Brown
T: Tan
G: Green
N: Navy Blue
O: Orange

SOLID/SEGMENTED

0: Segmented Blade/No Blade
1: Solid Blade

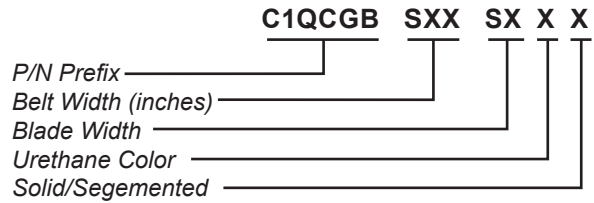
MAINFRAME

E: Painted Steel with Extended Torque Tubes and Aluminum Blade Insert
F: Stainless Steel with Steel Blade Insert
P: Painted Steel with Aluminum Blade Insert
T: Painted Steel with Steel Blade Insert
Z: Stainless Steel with Extended Torque Tubes and Steel Blade Insert

TENSIONER

Blank: No Tensioner
S: Martin® Spring Tensioner (P/N 38003 or 38003-2)
P: Martin® Stainless Steel Spring Tensioner (P/N 38003-C or 38003-2-C)

REPLACEMENT BLADE NOMENCLATURE



BELT WIDTH

SXX: XX indicates belt width in inches (18 thru 72)

URETHANE COLOR

B: Brown
T: Tan
G: Green
N: Navy Blue
O: Orange

BLADE WIDTH

S6: 6 Inches less Belt Width
S8: 8 Inches less Belt Width
SC: 12 Inches less Belt Width

SOLID/SEGMENTED

0: Segmented without Slots
1: Solid without Slots
2: Segmented with Slots
3: Solid with Slots
4: Segmented without Slots & with Blade Clamp Kit
5: Solid without Slots & with Blade Clamp Kit

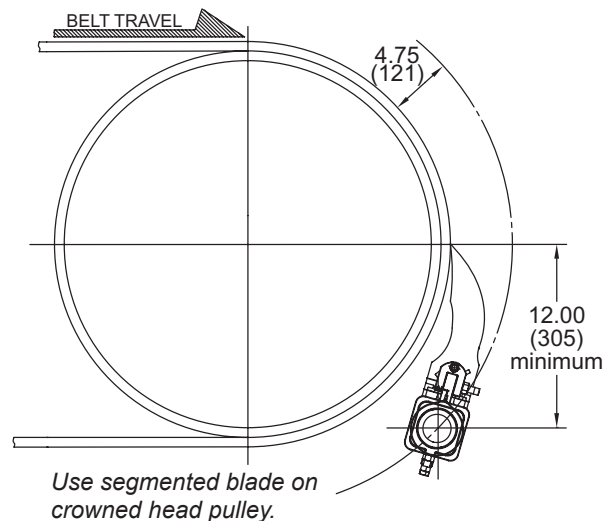
INSTALLATION AND MOUNTING

Installation Recommendations:

Head Pulley Diameter*	24 in. – 30 in. (609.6 – 762 mm)
Maximum Belt Speed	1200 fpm (6 m/s)

*includes belt and lagging

MOUNTING LOCATION



Martin Engineering USA
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 Neponset, IL 61345-9766 USA
 800 544 2947 or 309 852 2384
 Fax 800 814 1553
 www.martin-eng.com

**COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV GL
 = ISO 9001 =**