

# QC #1 MT - Metal Tipped Scraper



## INNOVATIONS IN BELT CLEANING

### MARTIN® QC #1 MT Pre-Cleaner

Martin Engineering's Quick Change blade design gets tough with a tungsten-tipped, quarter-inch carbon steel insert.

#### Longer Blade Life

A unique, newly developed MDI polyurethane blend and tungsten carbide tip allow a blade life that lasts 2 to 3 times longer than conventional urethane blades.

#### Maintains Tension

Provides consistent cleaning performance from the start; there is no wear-in period and the blade only requires re-tensioning approximately every 6 months.

#### Familiar Setup

- Same mounting dimensions as a HDQC #1
- Same tensioning pressure (2-3 PSI) as a conventional urethane blade
- Fits both 1- and 3-piece mainframes
- Utilizes both spring and twist tensioners

#### Applications

- No limitations on material type
- Vulcanized belts only; no mechanical splices
- Same belt speeds as HDQC #1



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## MARTIN® QC1™ Pre-Cleaner with Metal Tipped Blade



The MARTIN® QC1™ Pre-Cleaner with Metal Tipped Blade provides maximum durability and performance across a wide range of duties and applications. This sturdy cleaner features a tungsten carbide tip blade that lasts 2 to 3 times longer than conventional urethane blades.

The MARTIN® QC1™ Pre-Cleaner with Metal Tipped Blade are available with either a MARTIN® Twist Tensioner or a MARTIN® Spring Tensioner to maintain proper cleaning pressure while minimizing the need for adjustment.

### NOMENCLATURE

	QC1H	-	XX	M	X	XX	XX	X	X
P/N 4-Digit Prefix									
Belt Width (inches)									
Metal-Tipped Blade									
Blade Type									
Blade Width (inches)									
Urethane Color									
Mainframe Type									
Tensioner									

### BLADE TYPE

**0:** No Blades  
**T:** Mild Steel TC Tipped  
**C:** Corrosion Resistant TC Tipped

### URETHANE COLOR

**OR:** Orange  
**BR:** Brown  
**CL:** Tan  
**GR:** Green  
**NB:** Navy Blue

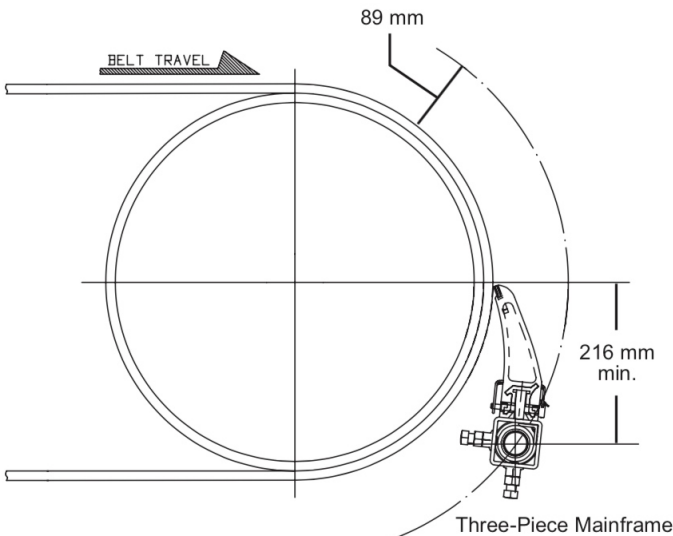
### MAINFRAME TYPE

**P:** Painted  
**S:** Stainless Steel

### TENSIONER

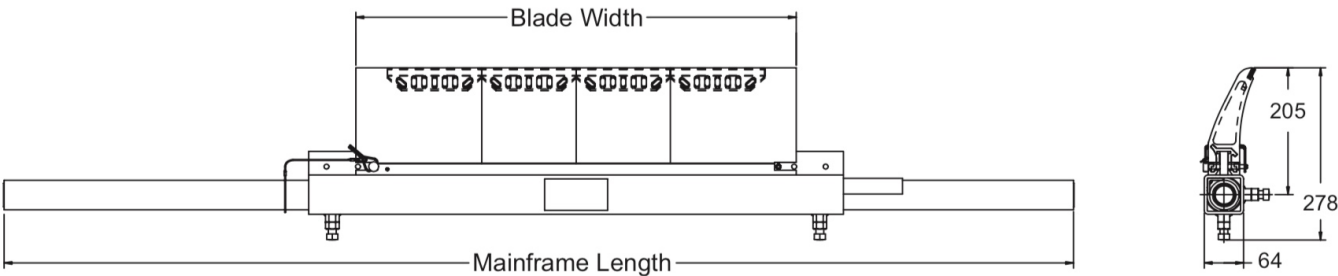
**0:** No Tensioner  
**A:** Stainless Steel Martin® Twist Tensioner  
**B:** Stainless Steel Martin® Spring Tensioner  
**T:** Martin® Twist Tensioner  
**S:** Martin® Spring Tensioner

### MOUNTING LOCATION



The MARTIN® QC1™ Pre-Cleaner with Metal Tipped Blade should NOT be used on belts with mechanical fasteners. Serious belt damage will result!

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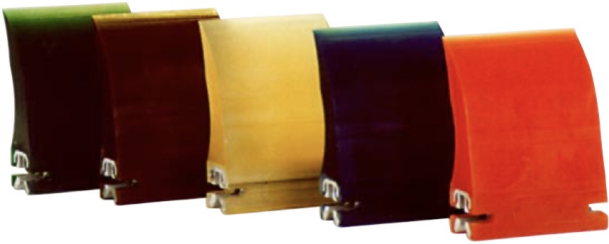
MARTIN® QC1™ CLEANER HD WITH METAL TIPPED BLADE  
DIMENSIONS — in. (mm)

Belt Width in. (mm)		Mainframe Length mm	Blade Width 200 mm < Belt Width mm	Blade Width 50 mm < Belt Width mm
18	(500)	1118	—	406
24	(650)	1270	406	559
30	(800)	1575	559	711
36	(1000)	1727	711	864
42	(1200)	1880	864	1016
48	(1400)	2032	1016	1168
54	(1600)	2184	1168	1321
60	(1800)	2489	1321	1473
66	(1900)	2642	1473	1626
72	(2000)	2794	1626	1778
84	(2200)	3124	1930	2083
90	(2300)	3277	2083	2235
96	(2400)	3429	2235	2388

Note: Dual Tensioners are required for belt widths 1400 mm and greater.

## Poly-Urethane Colours - Selection

Suffix	Color	Durometer (Shore A)	Application Conditions
None	Orange	85	<b>MARTIN® MAXIMIZER™ Urethane</b> Extended life in abrasive conditions. Best choice for exposure to solvents or oil. Suitable for 80% or more of all applications. Suited for temperatures from -20° to 160°F (-29° to 71°C).
BR	Brown	90	<b>Chemical-Resistant Urethane</b> Improved resistance/reduced absorption of water and chemicals. Best choice for applications exposed to chemicals with pH as high as 11 and as low as 4. Suitable for temperatures from -40° to 160°F (-40° to 71°C).
GR	Green	95	<b>High-Temperature Urethane</b> For use in temperatures from -40° to 300°F (-40° to 150°C) continuous, or to 350° F (177°C) intermittent exposure.
CL	Clear	86	<b>Tan Urethane</b> For use on dry products, sand and gravel. Suitable for temperatures from -20° to 160°F (-29° to 71°C).
NB	Navy Blue	90	<b>Navy Blue Urethane</b> For use in pulp and paper applications and sticky or tacky products. Suitable for temperature from -20° to 160°F (-29° to 71°C).



Application Conditions	Color
Abrasive Conditions	Orange
Exposure to Chemicals	Brown
Exposure to High Temperature	Green
Dry Sand and Gravel	Tan
Pulp and Paper/Tacky Material	Navy Blue

Available for all Martin Engineering Pre-Scrapers