

## Martin® SQC2S™ Secondary Cleaner with Orion Blades



**SQC2S™ Cleaner with Orion Blades** utilise a unique flexing blade mount to cushion splice impact while maintaining cleaning pressure. The blade's "paint-scraper" cleaning angle provides maximum removal of stubborn carryback while the blade holder flexes to allow the blade tip to deflect in the direction of belt travel for splice passage. Tungsten carbide blade tips featuring individually machined blade adjustment provide effective and long-lasting cleaning while the unique blade shield allows removed material to slide off without buildup.

### SPECIFICATIONS

| Belt Widths (mm) | Maximum Belt Speed (m/sec.) | Operating Temperature (°C) | Reversing operation | Rollback* |
|------------------|-----------------------------|----------------------------|---------------------|-----------|
| 500 - 2400       | 5,1                         | -30 - +121                 | No                  | Yes       |

\* Rollback is possible, but has no cleaning effect.

### BENEFITS

- "Paint-scraper" cleaning angle provides maximum removal of conveyor belt carryback.
- Tungsten carbide blade tips provide effective and long-lasting cleaning.
- Blade shield allows removed material to slide off without buildup.
- Blade holder flexes to allow tip to deflect in the direction of belt travel for splice passage and has individual machined blade adjustment.

| NOMENCLATURE                 | SQC2S | X | -XX | X | XX | RO | X | X | N |
|------------------------------|-------|---|-----|---|----|----|---|---|---|
| P/N Prefix                   |       |   |     |   |    |    |   |   |   |
| Duty Rating                  |       |   |     |   |    |    |   |   |   |
| Belt Width (inches)          |       |   |     |   |    |    |   |   |   |
| Blade Type                   |       |   |     |   |    |    |   |   |   |
| Belt Cleaning Width (inches) |       |   |     |   |    |    |   |   |   |
| Tensioning Element           |       |   |     |   |    |    |   |   |   |
| Mainframe Option             |       |   |     |   |    |    |   |   |   |
| Tensioner Option             |       |   |     |   |    |    |   |   |   |
| Additional Options           |       |   |     |   |    |    |   |   |   |

### DUTY RATING

**H:** Heavy Duty  
**E:** Extra Heavy Duty

### BLADE TYPE

**S:** 316 SS with TC Inserts with Teflon Deflector  
**T:** Mild Steel Blade Painted with TC Inserts with Teflon Deflector

### BLADE CLEANING WIDTH

Full belt width or 6 inches less belt width

### TENSIONING ELEMENT

**RO:** Blade Torsion Assembly

### MAINFRAME OPTIONS

**P:** Painted  
**S:** 316 SS  
**E:** Extended Painted  
**Z:** Extended 316 SS

### TENSIONER OPTIONS

**T:** STD Tensioner  
**S:** 316 SS STD Tensioner  
**H:** Heavy Duty Tensioner  
**G:** 316 SS HD Tensioner  
**N:** No Tensioner  
See Tensioner Table for More Info

### ADDITIONAL OPTIONS

**N:** None

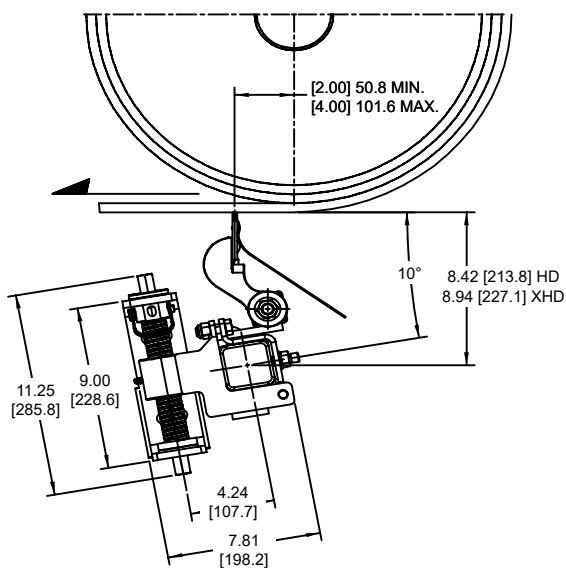
## MARTIN® SQC2S™ ORION BLADES

| Colour | Heavy Duty Application                                         | Replacement Blade P/N |
|--------|----------------------------------------------------------------|-----------------------|
| —      | 316 SS Blade with TC Inserts with Teflon Deflector             | OR-52000-6S           |
| Orange | Mild Steel Blade Painted with TC Inserts with Teflon Deflector | OR-52000-6T           |

| Colour | Extra Heavy Duty Application                                   | Replacement Blade P/N |
|--------|----------------------------------------------------------------|-----------------------|
| —      | 316 SS Blade with TC Inserts with Teflon Deflector             | OR-52001-6S           |
| Orange | Mild Steel Blade Painted with TC Inserts with Teflon Deflector | OR-52001-6T           |

Acronyms found in document: TC = Tungsten Carbide, SS = Stainless Steel, HD = Heavy Duty, STD = Standard

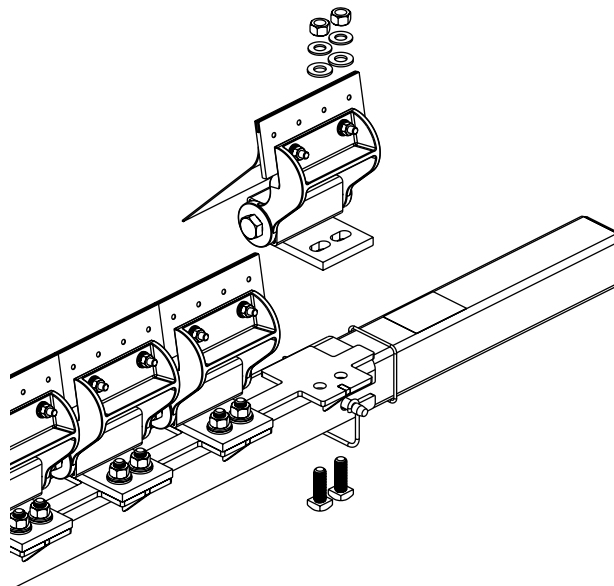
| Tensioner            | HEAVY DUTY<br>COMPATIBLE |                                             | EXTRA HEAVY DUTY<br>COMPATIBLE |                                            |
|----------------------|--------------------------|---------------------------------------------|--------------------------------|--------------------------------------------|
| STD TENSIONER        | ✓                        | BELT WIDTH RANGE<br>18" - 48" (450 - 1200)  | X                              | N/A                                        |
| 316 SS STD TENSIONER | ✓                        | BELT WIDTH RANGE<br>18" - 48" (450 - 1200)  | X                              |                                            |
| HD TENSIONER         | ✓                        | BELT WIDTH RANGE<br>54" - 96" (1350 - 2400) | ✓                              | BELT WIDTH RANGE<br>18" - 96" (450 - 2400) |
| 316 SS HD TENSIONER  | ✓                        | BELT WIDTH RANGE<br>54" - 96" (1350 - 2400) | ✓                              | BELT WIDTH RANGE<br>18" - 96" (450 - 2400) |



Detail With Tensioner Mounted On Left Side

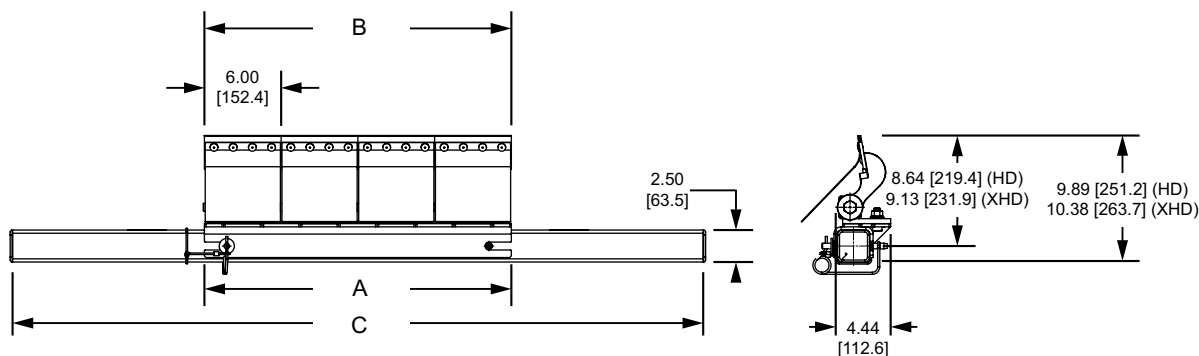
## ACCESSORIES

| PART                                                           | P/N       |
|----------------------------------------------------------------|-----------|
| Martin® Hanger Mount Heavy – Duty Assembly                     | 34233-HD  |
| Martin® Hanger Mount Heavy – Duty Assembly – Stainless Steel   | 34223-HDS |
| Martin® SQC2S™ Square Mainframe Tensioner                      | 38664     |
| Martin® SQC2S™ Square Mainframe Tensioner – Stainless Steel    | 38664-SS  |
| Martin® SQC2S™ Square Mainframe Tensioner HD                   | 38664-HD  |
| Martin® SQC2S™ Square Mainframe Tensioner HD – Stainless Steel | 38664-HDS |



Martin® Orion Style Blade  
(mounting hardware included in assembly)

# TECHNICAL DATA SHEET



## DIMENSIONS

| PART NUMBER       | DIM A<br>in (mm) |        | DIM B<br>in (mm) |        | DIM C<br>in (mm) |        | DIM C<br>(EXTENDED MAINFRAME) |        |
|-------------------|------------------|--------|------------------|--------|------------------|--------|-------------------------------|--------|
| SQC2SX-18X12ROXXX | 18.00            | (457)  | 12.00            | (305)  | 48.00            | (1219) | 66.00                         | (1676) |
| SQC2SX-18X18ROXXX | 18.00            | (457)  | 18.00            | (457)  | 48.00            | (1219) | 66.00                         | (1676) |
| SQC2SX-24X18ROXXX | 24.00            | (610)  | 18.00            | (457)  | 54.00            | (1372) | 72.00                         | (1829) |
| SQC2SX-24X24ROXXX | 24.00            | (610)  | 24.00            | (610)  | 54.00            | (1372) | 72.00                         | (1829) |
| SQC2SX-30X24ROXXX | 30.00            | (762)  | 24.00            | (610)  | 60.00            | (1524) | 78.00                         | (1981) |
| SQC2SX-30X30ROXXX | 30.00            | (762)  | 30.00            | (762)  | 60.00            | (1524) | 78.00                         | (1981) |
| SQC2SX-36X30ROXXX | 36.00            | (914)  | 30.00            | (762)  | 66.00            | (1676) | 84.00                         | (2134) |
| SQC2SX-36X36ROXXX | 36.00            | (914)  | 36.00            | (914)  | 66.00            | (1676) | 84.00                         | (2134) |
| SQC2SX-42X36ROXXX | 42.00            | (1067) | 36.00            | (914)  | 72.00            | (1829) | 90.00                         | (2286) |
| SQC2SX-42X42ROXXX | 42.00            | (1067) | 42.00            | (1067) | 72.00            | (1829) | 90.00                         | (2286) |
| SQC2SX-48X42ROXXX | 48.00            | (1219) | 42.00            | (1067) | 78.00            | (1981) | 96.00                         | (2438) |
| SQC2SX-48X48ROXXX | 48.00            | (1219) | 48.00            | (1219) | 78.00            | (1981) | 96.00                         | (2438) |
| SQC2SX-54X48ROXXX | 54.00            | (1372) | 48.00            | (1219) | 84.00            | (2134) | 102.00                        | (2591) |
| SQC2SX-54X54ROXXX | 54.00            | (1372) | 54.00            | (1372) | 84.00            | (2134) | 102.00                        | (2591) |
| SQC2SX-60X54ROXXX | 60.00            | (1524) | 54.00            | (1372) | 90.00            | (2286) | 108.00                        | (2743) |
| SQC2SX-60X60ROXXX | 60.00            | (1524) | 60.00            | (1524) | 90.00            | (2286) | 108.00                        | (2743) |
| SQC2SX-66X60ROXXX | 66.00            | (1676) | 60.00            | (1524) | 96.00            | (2438) | 114.00                        | (2896) |
| SQC2SX-66X66ROXXX | 66.00            | (1676) | 66.00            | (1676) | 96.00            | (2438) | 114.00                        | (2896) |
| SQC2SX-72X66ROXXX | 72.00            | (1829) | 66.00            | (1676) | 102.00           | (2591) | 120.00                        | (3048) |
| SQC2SX-72X72ROXXX | 72.00            | (1829) | 72.00            | (1829) | 102.00           | (2591) | 120.00                        | (3048) |
| SQC2SX-78X72ROXXX | 78.00            | (1981) | 72.00            | (1829) | 108.00           | (2743) | 126.00                        | (3200) |
| SQC2SX-78X78ROXXX | 78.00            | (1981) | 78.00            | (1981) | 108.00           | (2743) | 126.00                        | (3200) |
| SQC2SX-84X78ROXXX | 84.00            | (2134) | 78.00            | (1981) | 114.00           | (2896) | 132.00                        | (3352) |
| SQC2SX-84X84ROXXX | 84.00            | (2134) | 84.00            | (2134) | 114.00           | (2896) | 132.00                        | (3352) |
| SQC2SX-90X84ROXXX | 90.00            | (2286) | 84.00            | (2134) | 120.00           | (3048) | 138.00                        | (3505) |
| SQC2SX-90X90ROXXX | 90.00            | (2286) | 90.00            | (2286) | 120.00           | (3048) | 138.00                        | (3505) |
| SQC2SX-96X90ROXXX | 96.00            | (2438) | 90.00            | (2286) | 126.00           | (3200) | 144.00                        | (3658) |
| SQC2SX-96X96ROXXX | 96.00            | (2438) | 96.00            | (2438) | 126.00           | (3200) | 144.00                        | (3658) |



**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