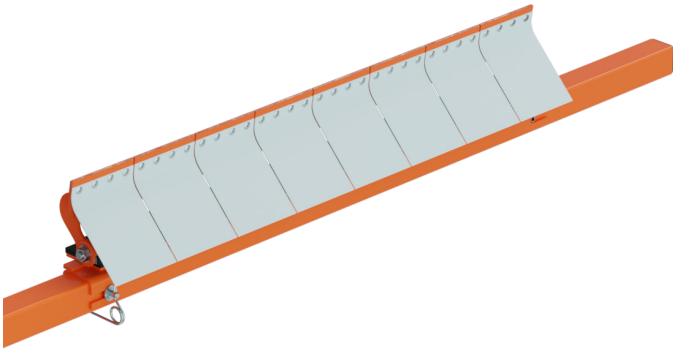
Martin® SQC2S™ Secondary Cleaner with Orion Blades



SQC2S™ Cleaner with Orion Blades utilize 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.

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

SQC2SX-XX X XX RO X X X

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

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

D: Dust-Tight Steel Cover Door
S: Dust-Tight SS Cover Door
U: Urethane Magnetic Door
N: None

MARTIN® SQC2S™ ORION BLADES*

COLOR	GENERAL APPLICATION	Replacement Blade P/N	
		Heavy Duty	Extra Heavy Duty
—	316 SS Blade with Teflon Deflector	OR-52000-6C	OR-52001-6C
—	316 SS Blade with TC Inserts with Teflon Deflector	OR-52000-6S	OR-52001-6S
Orange	Mild Steel Blade with TC Inserts Painted with Teflon Deflector	OR-52000-6T	OR-52001-6T

** Maximum belt speed for Martin® SQC2S™ blades is 1500 FPM (7.5 m/s) for vulcanized belts and 1200 FPM (6 m/s) for mechanically spliced belts. Stainless steel assemblies available upon request. For other applications, please contact your Martin Engineering representative.*

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

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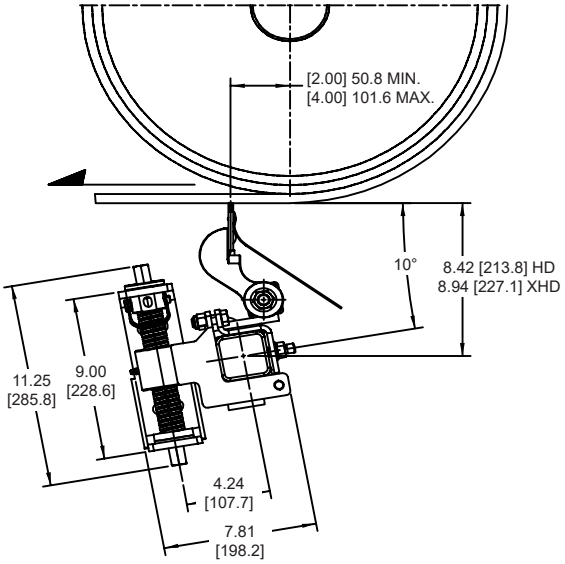
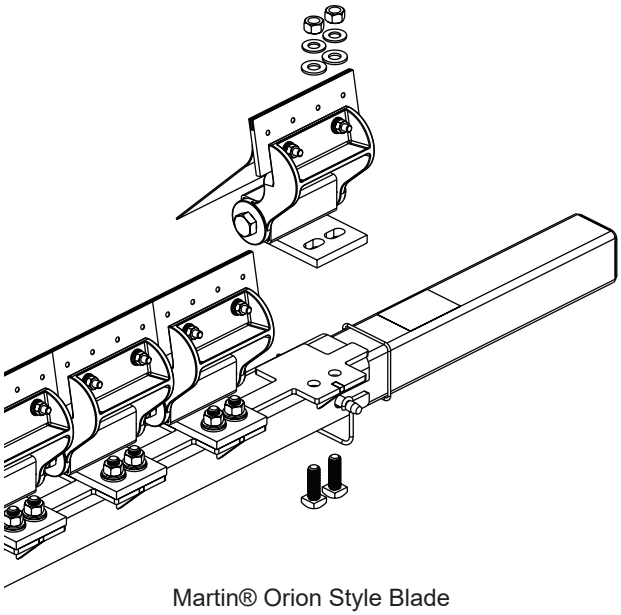
TENSIONER	HEAVY DUTY COMPATIBLE - in. (mm)		EXTRA HEAVY DUTY COMPATIBLE - in. (mm)	
STD TENSIONER	✓	BELT WIDTH RANGE 18" - 48" (450 - 1,200)	X	N/A
316 SS STD TENSIONER	✓	BELT WIDTH RANGE 18" - 48" (450 - 1,200)	X	N/A
HD TENSIONER	✓	BELT WIDTH RANGE 54" - 96" (1,350 - 2,400)	✓	BELT WIDTH RANGE 18" - 96" (450 - 2,400)
316 SS HD TENSIONER	✓	BELT WIDTH RANGE 54" - 96" (1,350 - 2,400)	✓	BELT WIDTH RANGE 18" - 96" (450 - 2,400)



Detail With Tensioner Mounted On Left Side
Note: Cover Door Not Shown For Clarity

ACCESSORIES

PART	P/N
Martin® SQC2™ Split-Cover Door – Steel	38014-SQCS
Martin® SQC2™ Split-Cover Door – Stainless Steel	38014-SQCSS
Martin® SQC2S™ Urethane Magnetic Door	38014U-SQCS
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)

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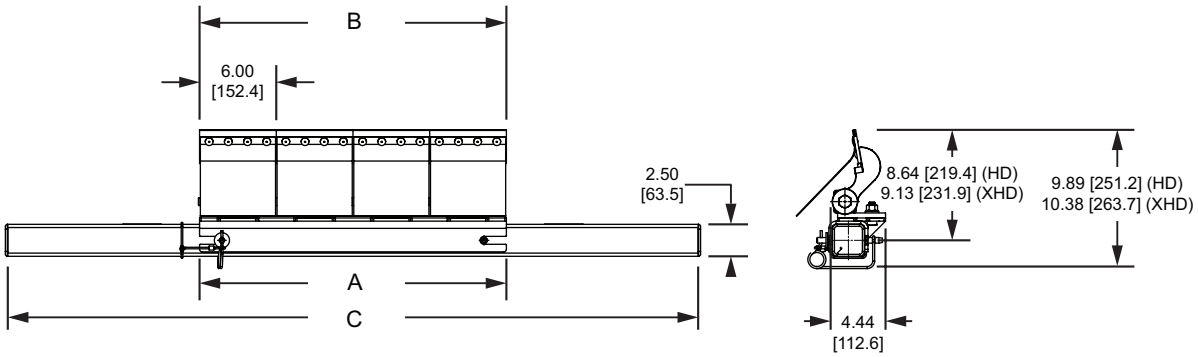

DIMENSIONS

PART NUMBER	DIM A - in. (mm)		DIM B - in. (mm)		DIM C - in. (mm)		DIM C (EXTENDED MAINFRAME) - in. (mm)	
SQC2SX-18X12ROXXX	18.00	(457.2)	12.00	(304.8)	48.00	(1219.2)	66.00	(1676.4)
SQC2SX-18X18ROXXX	18.00	(457.2)	18.00	(457.2)	48.00	(1219.2)	66.00	(1676.4)
SQC2SX-24X18ROXXX	24.00	(609.6)	18.00	(457.2)	54.00	(1371.6)	72.00	(1828.8)
SQC2SX-24X24ROXXX	24.00	(609.6)	24.00	(609.6)	54.00	(1371.6)	72.00	(1828.8)
SQC2SX-30X24ROXXX	30.00	(762.0)	24.00	(609.6)	60.00	(1524.0)	78.00	(1981.2)
SQC2SX-30X30ROXXX	30.00	(762.0)	30.00	(762.0)	60.00	(1524.0)	78.00	(1981.2)
SQC2SX-36X30ROXXX	36.00	(914.4)	30.00	(762.0)	66.00	(1676.4)	84.00	(2133.6)
SQC2SX-36X36ROXXX	36.00	(914.4)	36.00	(914.4)	66.00	(1676.4)	84.00	(2133.6)
SQC2SX-42X36ROXXX	42.00	(1066.8)	36.00	(914.4)	72.00	(1828.8)	90.00	(2286.0)
SQC2SX-42X42ROXXX	42.00	(1066.8)	42.00	(1066.8)	72.00	(1828.8)	90.00	(2286.0)
SQC2SX-48X42ROXXX	48.00	(1219.2)	42.00	(1066.8)	78.00	(1981.2)	96.00	(2438.4)
SQC2SX-48X48ROXXX	48.00	(1219.2)	48.00	(1219.2)	78.00	(1981.2)	96.00	(2438.4)
SQC2SX-54X48ROXXX	54.00	(1371.6)	48.00	(1219.2)	84.00	(2133.6)	102.00	(2590.8)
SQC2SX-54X54ROXXX	54.00	(1371.6)	54.00	(1371.6)	84.00	(2133.6)	102.00	(2590.8)
SQC2SX-60X54ROXXX	60.00	(1524.0)	54.00	(1371.6)	90.00	(2286.0)	108.00	(2743.2)
SQC2SX-60X60ROXXX	60.00	(1524.0)	60.00	(1524.0)	90.00	(2286.0)	108.00	(2743.2)
SQC2SX-66X60ROXXX	66.00	(1676.4)	60.00	(1524.0)	96.00	(2438.4)	114.00	(2895.6)
SQC2SX-66X66ROXXX	66.00	(1676.4)	66.00	(1676.4)	96.00	(2438.4)	114.00	(2895.6)
SQC2SX-72X66ROXXX	72.00	(1828.8)	66.00	(1676.4)	102.00	(2590.8)	120.00	(3048.0)
SQC2SX-72X72ROXXX	72.00	(1828.8)	72.00	(1828.8)	102.00	(2590.8)	120.00	(3048.0)
SQC2SX-78X72ROXXX	78.00	(1981.2)	72.00	(1828.8)	108.00	(2743.2)	126.00	(3200.4)
SQC2SX-78X78ROXXX	78.00	(1981.2)	78.00	(1981.2)	108.00	(2743.2)	126.00	(3200.4)
SQC2SX-84X78ROXXX	84.00	(2133.6)	78.00	(1981.2)	114.00	(2895.6)	132.00	(3352.8)
SQC2SX-84X84ROXXX	84.00	(2133.6)	84.00	(2133.6)	114.00	(2895.6)	132.00	(3352.8)
SQC2SX-90X84ROXXX	90.00	(2286.0)	84.00	(2133.6)	120.00	(3048.0)	138.00	(3505.2)
SQC2SX-90X90ROXXX	90.00	(2286.0)	90.00	(2286.0)	120.00	(3048.0)	138.00	(3505.2)
SQC2SX-96X90ROXXX	96.00	(2438.4)	90.00	(2286.0)	126.00	(3200.4)	144.00	(3657.6)
SQC2SX-96X96ROXXX	96.00	(2438.4)	96.00	(2438.4)	126.00	(3200.4)	144.00	(3657.6)

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV ISO 9001

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