

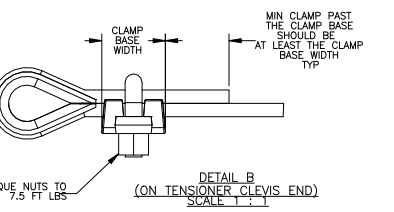
PART NUMBER (2ND, 3RD, AND 4TH X)	BELT WIDTH (MM)	PART NUMBER (2ND, 3RD, AND 4TH X)	BELT WIDTH (MM)
C1CSXR518XXX	18	C1CSXR040XXX	400
C1CSXR524XXX	24	C1CSXR045XXX	450
C1CSXR530XXX	30	C1CSXR050XXX	500
C1CSXR536XXX	36	C1CSXR060XXX	600
C1CSXR542XXX	42	C1CSXR075XXX	750
		C1CSXR080XXX	800
		C1CSXR090XXX	900
		C1CSXR100XXX	1000
		C1CSXR105XXX	1050

PART NUMBER	TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL	P/N
C1CSBRXXXXX	TENSIONER/INSTALLATION KIT MATERIAL	-----
C1CSBRXXXXX	NO TENSIONER/BLADE ONLY	C1CT1ST
C1CSBRXXXXX	TENSIONER WITH FIXED POINT MNT BRKT STL	C1CT1SS
C1CSBRXXXXX	TENSIONER WITH FIXED POINT MNT BRKT SS	C1CT1SS

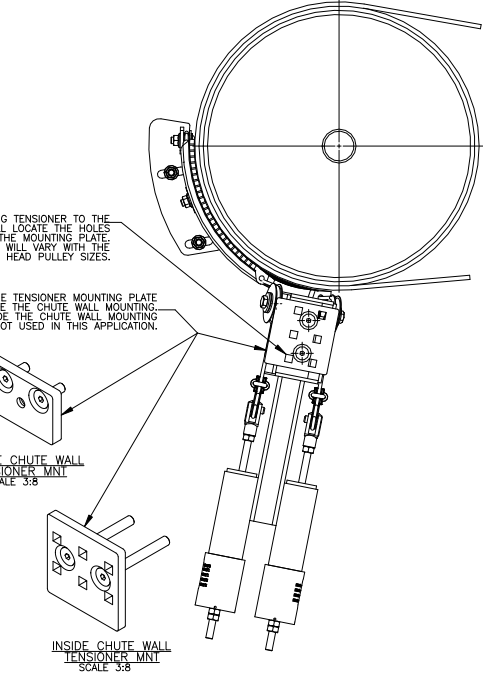
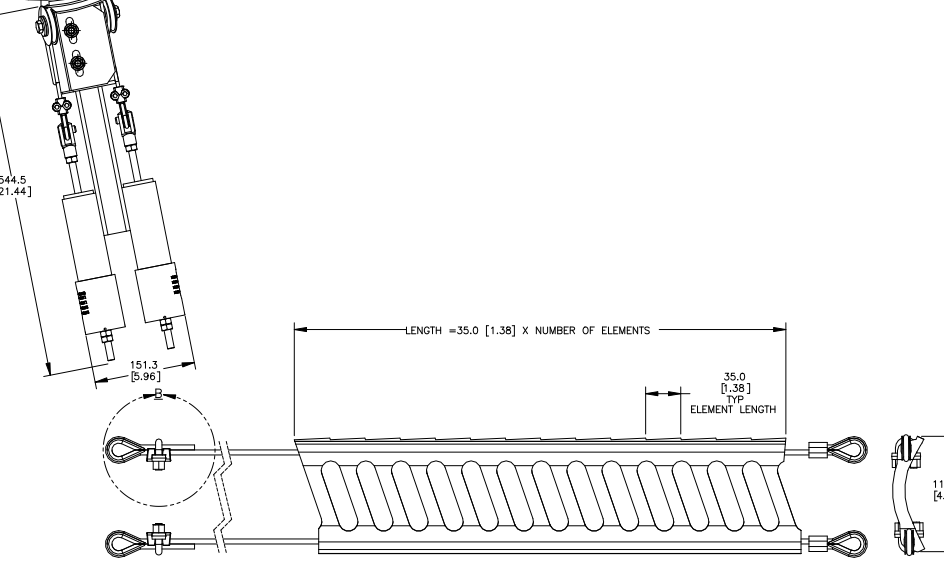
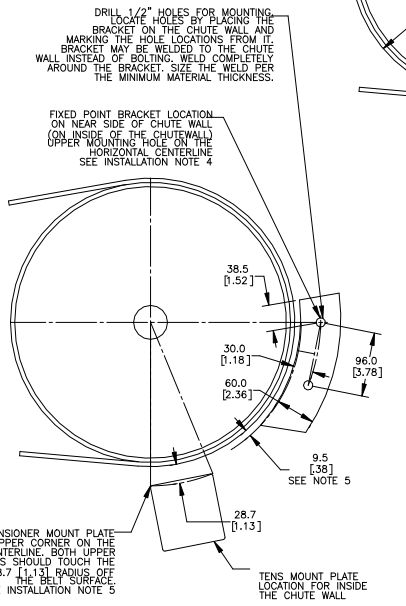
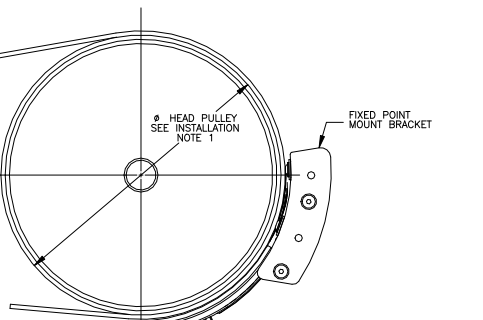
PART NUMBER	(PART NUMBER 5TH X) BLADE CARBIDE TYPE	APPLICATION
C1CSRXXXX AX	STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE	
C1CSRXXXX BX	SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES	
C1CSRXXXX CX	EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES	

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	MARTIN CLEANSRAPE CLEANER ASSEMBLY	SEE CHARTS

NOTES:
 1) IN THE C1C PART NUMBER:
 THE S INDICATES A SMALL CLEANSRAPE BLADE/SYSTEM ASSEMBLY.
 THE FIRST X INDICATES THE ASSEMBLY TYPE:
 B = BLADE ASSEMBLY, NO TENSIONER
 T = BLADE ASSEMBLY, TENSIONER STANDARD
 PAINTED STEEL
 S = BLADE ASSEMBLY, TENSIONER STAINLESS STEEL
 THE R INDICATES RUBBER BLADE BODY MATERIAL.
 THE NEXT XXX INDICATES THE BELT WIDTH:
 SXX = INCH BELT WIDTH
 XXX = MM BELT WIDTH
 THE NEXT X INDICATES BLADE CARBIDE TYPE:
 A = A CARBIDE GRADE
 B = B CARBIDE GRADE
 C = C CARBIDE GRADE
 THE LAST XX INDICATES NUMBER OF ELEMENTS IN THE BLADE.



- INSTALLATION NOTES:
- BLADE CARBIDE SCRAPERS ARE MOLDED INTO THE RUBBER BODY AT AN ANGLE CREATING A SERRATED CLEANING EDGE. CLEANER MUST BE MOUNTED AT AN ANGLE AS SHOWN. THE IDEAL INSTALLATION ANGLE IS BETWEEN 17° AND 19° ANGLES FROM 15° TO 21° ARE ACCEPTABLE BUT TENSIONER TENSION NEEDS TO BE ADJUSTED AS THE ANGLE CHANGES FROM THE IDEAL ANGLE. CLEANER MUST NOT LIE IN THE MATERIAL PATH.
 - BELT WIDTH MUST NOT EXCEED A RATIO OF 1 TO 1 TO THE HEAD PULLEY DIAMETER. HEAD PULLEY RANGE IS 308 (12.50) MIN. TO 508 (20.00) MAX.
 - CHUTE WALLS MUST BE STRONG ENOUGH TO NOT FLEX WHEN THE CLEANER IS TENSIONED. ADDITIONAL CHUTE WALL STRUCTURE MAY BE REQUIRED TO PREVENT CHUTE WALL FROM FLEXING.
 - LOCATE AND INSTALL THE FIXED POINT MOUNT BRACKET ON THE INSIDE OF THE FAR SIDE CHUTE WALL. MEASURE THE HEAD PULLEY RADIUS PLUS THE LAGGING BELT THICKNESS AND ADD THE 9.8 (1.98) IS THE RADIUS ARC THAT THE FIXED POINT BRACKET WILL BE LOCATED ON. LOCATE THE FIXED POINT BRACKET LOWER MOUNTING HOLE ON THE HORIZONTAL CENTERLINE OF THE HEAD PULLEY (AT THE 9:00 O'CLOCK POSITION). THIS POINT MAY BE ADJUSTED (ROTATED) AS REQUIRED TO KEEP THE CLEANER BELOW THE PRODUCT DISCHARGE POINT AND AT THE SPECIFIED INSTALLATION ANGLE. THE TOP OF THE CLEANER SHOULD NOT BE ABOVE THE 6:00 O'CLOCK POSITION. MARK THE HOLE LOCATIONS FROM THE FIXED POINT BRACKET AND DRILL THE MOUNTING HOLES (IF NOT WELDING IN PLACE). BOLT OR WELD THE FIXED POINT BRACKET TO THE INSIDE OF THE CHUTE WALL.
 - ON THE INSIDE OF THE OPERATORS SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER MOUNT PLATE. LOCATE THE TOP CORNERS ON A 28.7 (1.13) RADIUS ARC PAST THE BELT EDGE AND THE UPPER CORNER ON THE VERTICAL CENTERLINE (AT THE 6:00 O'CLOCK POSITION). BOLT OR WELD THE TENSIONER MOUNT BRACKET TO THE INSIDE OF THE CHUTE WALL. THE TENSIONER MOUNT PLATE MAY BE ADJUSTED (ROTATED) AS REQUIRED TO ENSURE IT DOES NOT GO PAST THE BELT EXIT POINT ON THE HEAD PULLEY. SEE THE OUTOUT DETAIL. BOLT THE TENSIONER TO THE TENSIONER MOUNT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
 - MEASURE THE APPROXIMATE CABLE LENGTH AND ASSEMBLE THE CABLE THIMBLES AND CLAMPS TO THE TENSIONER END OF THE BLADE ASSEMBLY. INSTALL THE CLEANER TO THE FIXED POINT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME. HOLD THE CLEANER TO THE HEAD PULLEY AND HOOK ONTO THE TENSIONER. MAKE SURE THE TENSIONER ADJUSTMENT NUTS ARE AT THE END OF THE TENSIONER THREADED ROD. TIGHTEN THE TENSIONER ADJUSTMENT NUTS UNTIL THE CLEANER IS HELD FIRMLY AGAINST THE HEAD PULLEY. ADJUST THE FIXED POINT BRACKET AND TENSIONER BRACKET SO THE OUTER TWO ELEMENTS ON EACH SIDE OF THE CLEANER ARE APPROXIMATELY 3.5 (1.1) AWAY FROM THE BELT. INCREASE THE RELIEF AS NECESSARY TO ENSURE MECHANICAL SPLICES WILL PASS. TIGHTEN ALL BOLTS.
 - TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL. THE LENGTH OF THE CHAIN OR CABLE MUST NOT EXCEED 125 (5.00) ON EITHER SIDE OF THE CLEANER. EXCESS CHAIN OR CABLE COULD RESULT IN VIBRATION THAT COULD DAMAGE THE BELT OR THE CLEANER.



TENSIONER CHUTE CUTOUTS AND FIXED POINT BRACKET LOCATION SCALE 1:4

BLADE DETAIL SCALE 3:8

NO.	DESCRIPTION	ECN	QTY.	BY
	REVISION			

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MARTIN ENGINEERING-USA
 NEPONSET, IL USA

TITLE	CLEANSRAPE SMALL CLEANER ASM OUTSIDE THE CHUTE WALL TENS AT LOWER END	DRAWN	RND
		DATE	03/16/20
ENG.		CHECKED	
		DATE	03/17/20
APPROVED		DATE	03/17/20
		SCALE	1:4

SALES DRAWING
 PR13941 S50137-SILT

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