PART NUMBER BELT WIDTH PART NUMBER BELT WIDTH (2ND, 3RD, AND 4TH X) [MM]	(PART NUMBER FIRST X) TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL	(PART NUMBER 5TH X) BLADE CARBIDE TYPE	ITEM QTY. DESCRIPTION PART NUMBER
C1CSXRS18XXX         18         C1CSXR040XXX         400           C1CSXRS24XXX         24         C1CSXR045XXX         450	PART NUMBER TENSIONER/INSTALLATION KIT MATERIAL P/N INSTALLATION KIT  C1CSBRXXXXXX NO TENSIONER/BLADE ONLY	PART NUMBER  STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE	1 1 MARTIN CLEANSCRAPE CLEANER ASSEMBLY SEE CHARTS
C1CSXRS30XXX       30       C1CSXR050XXX       500         C1CSXRS36XXX       36       C1CSXR060XXX       600         C1CSXRS42XXX       42       C1CSXR075XXX       750         C1CSXR080XXX       800	C1CSTRXXXXXXX TENSIONER WITH FIXED POINT MNT BRKT STL C1CT1ST  C1CSSRXXXXXXX TENSIONER WITH FIXED POINT MNT BRKT SS C1CT1SS	C1CSXRXXXBXX SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES	INSTALLATION NOTES:  1) 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
C1CSXR <u>090</u> XXX 900 C1CSXR <u>100</u> XXX 1000		C1CSXRXXXCXX EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES	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.  2) BELT WIDTH MUST NOT EXCEED A RATIO OF 3:1 TO THE HEAD PULLEY  DIAMETER. HEAD PULLEY RANGE IS 305 [12.00] MIN. TO 508 [20.00]
NOTES:			MAX.  3) 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.
1) IN THE C1C PART NUMBER: THE S INDICATES A SMALL CLEANSCRAPE BLADE/SYSTEM ASSEMBLY. THE FIRST X INDICATES THE ASSEMBLY TYPE:	CLAMP  BASE  WIDTH		MAX. 3) 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. 4) 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 9.6 [.38]. THIS 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 3:00 O'CLOCK
B = BLADE ASSEMBLY, NO TENSIONER T = BLADE ASSEMBLY, TENSIONER STANDARD PAINTED STEEL S = BLADE ASSEMBLY, TENSIONER STAINLESS STEEL	WIDTH		ON. LOCATE THE FIXED POINT BRACKET LOWER MOUNTING HOLE ON THE HORIZONTAL CENTERLINE OF THE HEAD PULLEY (AT THE 3:00 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 2:00 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 OPERATORS SIDE OF THE CHILTE WALL MARK THE
THE R INDICATES RUBBER BLADE BODY MATERIAL.  THE NEXT XXX INDICATES THE BELT WIDTH:  SXX = INCH BELT WIDTH  XXX = MM BELT WIDTH / 10  THE NEXT X INDICATES BLADE CARBIDE TYPE:	MIN CA THE CL	ABLE PAST LAMP BASE	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.  5) ON THE INSIDE OF THE OPERATORS SIDE OF THE CHUTE WALL MARK THE
A = A CARBIDE GRADE  B = B CARBIDE GRADE  C = C CARBIDE GRADE  THE LAST XX INDICATES NUMBER OF ELEMENTS IN THE	TORQUE NUTS TO DETAIL B	LD BE AT THE CLAMP E WIDTH TYP	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).  BOLL OR WELD THE TENSIONER MOUNT BRACKET TO THE INSIDE OF THE
BLADE.	TORQUE NUTS TO———————————————————————————————————		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 CUTOUT DETAIL. BOLT THE TENSIONER TO THE TENSIONER MOUNT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
			6) 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
	CHUTE WALL—	CHUTE WALL— SEE INSTALLATION NOTE 3	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
	CHUTE WALL———————————————————————————————————	BELT WIDTH—	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 3.3 [.13] AWAY FROM THE BELT. INCREASE THE RELIEF AS NECESSARY TO ENSURE MECHANICAL SPLICES WILL PASS. TIGHTEN ALL BOLTS.  7) TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL.  8) 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.
			IN VIBRATION THAT COULD DAMAGE THE BELT OR THE CLEANER.
		—SEE_C1CP30000X_FOR	
	Ø HEAD PULLEY SEE INSTALLATION NOTE 1	— SEE C1CP30000X FOR BLADE EXTENSION KIT ALSO SEE INSTALLATION NOTE 8	
	NOTE 1	SEE INSTALLATION NOTE 1	
		SEE INSTALLATION NOTE 1	
DRILL 1/2" HOLES FOR MOUNTING.— LOCATE HOLES BY PLACING THE BRACKET ON THE CHUTE WALL AND MARKING THE HOLE LOCATIONS FROM IT.		SEE INSTALLATION NOTE 8—	IF BOLTING TENSIONER TO THE————————————————————————————————————
BRACKET MAY BE WELDED TO THE CHUTE WALL INSTEAD OF BOLTING. WELD COMPLETELY AROUND THE BRACKET. SIZE THE WELD PER THE MINIMUM MATERIAL THICKNESS.		SOUTH TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR	IF BOLTING TENSIONER TO THE— CHUTE WALL LOCATE THE HOLES FROM THE MOUNTING PLATE. LOCATION WILL VARY WITH THE DIFFERENT HEAD PULLEY SIZES.
FIXED POINT BRACKET LOCATION— ON NEAR SIDE OF CHUTE WALL (ON INSIDE OF THE CHUTEWALL)		4	USE THE TENSIONER MOUNTING PLATE— FOR INSIDE THE CHUTE WALL MOUNTING. THE OUTSIDE THE CHUTE WALL MOUNTING PLATE IS NOT USED IN THIS APPLICATION.
FIXED POINT BRACKET LOCATION— ON NEAR SIDE OF CHUTE WALL (ON INSIDE OF THE CHUTEWALL) UPPER MOUNTING HOLE ON THE HORIZONTAL CENTERLINE SEE INSTALLATION NOTE 4		SHOWN FLEXED AROUND THE HEAD PULLEY	PLATE IS NOT USED IN THIS APPLICATION.
		USE A CABLE CLIP AT THIS—/ LOCATION TO HOLD THE BLADE IN PLACE ELEMENT ORIENTATION	
78.5		93.4	
38.5 [1.52]	544.5 [21.44]	[3.68]	OUTSIDE CHUTE WALL TENSIONER MNT SCALE 3:8
30.0			
[1.18] 60.0 [2.36]	96:0 [3.78]	DETAIL A SCALE 1: 1  CLEANER ASSEMBLY WITH THE TENSIONER AT THE BOTTOM IS NOT THE PREFERRED INSTALLATION POSITION. USE ONLY WHEN NO OTHER OPTIONS ARE AVAILABLE.	HIGH WINDS HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIG
SEE N	.5 38] IOTE 5	[1.38] X NUMBER OF ELEMENTS————————————————————————————————————	INSIDE CHUTE WALL  TENSIONER MNT  SCALE 3:8
28.7		[1.38] TYP ELEMENT LENGTH	© Copyright 2020 Martin Engineering. All rights reserved. Covered by U.S. and foreign
LOCATE THE TENSIONER MOUNT PLATE————————————————————————————————————			patents pending and issued. ® and TM indicate trademarks of Martin Engineering.  MARTIN ENGINEERING-USA
28.7 [1.13] RADIUS OFF  THE BELT SURFACE.  SEE INSTALLATION NOTE 5  THE CHUTE	OR INSIDE WALL	115.3 [4.54]	TITLE CLEANSCRAPE DATE 03/16/20
TENSIONER CHUTE CUTOUTS AND FIXED POINT BRACKE SCALE 1:4	T LOCATION		SALES DRAWING  SMALL CLEANER ASM  CHECKED  ENG. 9AH  DATE 03/17/20  APPROVED 9RB
		BLADE DETAIL SCALE 3:8  NO. SOLIDWORKS	REVISION  ECN DATE BY SALES DRAWING  DATE 03/17/20  SCALE 1:4