(PART NUMBER 2ND & 3RD XX'S) NUMBER OF ELEMENTS		
PART NUMBER	DIM "A"	# ELEMENTS
C1CXS07XRXNXX	245 [9.65]	7
C1CXS08XRXNXX	280 [11.02]	8
C1CXS09XRXNXX	315 [12.40]	9
C1CXS10XRXNXX	350 [13.78]	10
C1CXS11XRXNXX	385 [15.16]	11
C1CXS12XRXNXX	420 [16.54]	12
C1CXS13XRXNXX	455 [17.91]	13
C1CXS14XRXNXX	490 [19.29]	14
C1CXS15XRXNXX	525 [20.67]	15
C1CXS16XRXNXX	560 [22.05]	16
C1CXS17XRXNXX	595 [23.43]	17
C1CXS18XRXNXX	630 [24.80]	18
C1CXS19XRXNXX	665 [26.18]	19
C1CXS20XRXNXX	700 [27.56]	20
C1CXS21XRXNXX	735 [28.94]	21
C1CXS22XRXNXX	770 [30.32]	22
C1CXS23XRXNXX	805 [31.69]	23
C1CXS24XRXNXX	840 [33.07]	24
C1CXS25XRXNXX	875 [34.45]	25
C1CXS26XRXNXX	910 [35.83]	26
C1CXS27XRXNXX	945 [37.21]	27
C1CXS28XRXNXX	980 [38.58]	28
C1CXS29XRXNXX	1015 [39.96]	29
C1CXS30XRXNXX	1050 [41.34]	30
C1CXS31XRXNXX	1085 [42.72]	31
C1CXS32XRXNXX	1120 [44.10]	32
C1CXS33XRXNXX	1155 [45.47]	33
C1CXS34XRXNXX	1190 [46.85]	34
C1CXS35XRXNXX	1225 [48.23]	35
C1CXS36XRXNXX	1260 [49.61]	36
C1CXS37XRXNXX	1295 [50.99]	37
C1CXS38XRXNXX	1330 [52.36]	38
C1CXS39XRXNXX	1365 [53.74]	39
C1CXS40XRXNXX	1400 [55.12]	40

⚠A

(PART NUMBER 4TH X) BLADE CARBIDE TYPE	
PART NUMBER	APPLICATION
C1CXSXXARXNXX	STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE
C1CXSXXBRXNXX	SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES
C1CXSXXCRXNXX	EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES

(PART NUMBER 5TH X) SWAGE SLEEVES/THIMBLES MATERIAL	
PART NUMBER	SWAGE SLEEVES/THIMBLES MATERIAL
C1CXSXXXRANXX	ALUMINUM SWAGE SLEEVES/GALV THIMBLES
C1CXSXXXRCNXX	COPPER SWAGE SLEEVES/SS THIMBLES

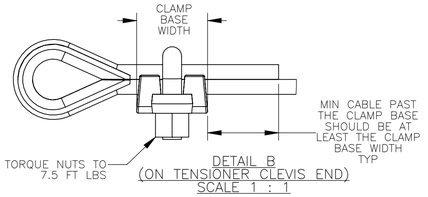
(PART NUMBER LAST TWO XX'S) TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL		
PART NUMBER	SINGLE/DUAL TENSIONER/TENSIONER SIZE/INSTALLATION KIT MATERIAL	P/N INSTALLATION KIT
C1CSSXXXRXN1T	SINGLE 2.8KN DUAL COIL TENSIONER WITH FIXED POINT MNT BRKT STL	C1CT1ST
C1CSSXXXRXN1S	SINGLE 2.8KN DUAL COIL TENSIONER WITH FIXED POINT MNT BRKT SS	C1CT1SS
C1CBSXXXRXN__	NO TENSIONER/BLADE ONLY FOR SINGLE TENSIONER	------

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. CLEANER MUST NOT LIE IN THE MATERIAL PATH.
2) THE IDEAL INSTALLATION ANGLE IS BETWEEN 17° AND 19°. ANGLES FROM 10° TO 22° ARE ACCEPTABLE BUT TENSIONER TENSION NEEDS TO BE ADJUSTED AS THE ANGLE CHANGES FROM THE IDEAL ANGLE.
3) 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] MAX.
4) 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.
5) 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. ALSO LOCATE THE FIXED POINT BRACKET LOWER MOUNTING HOLE ON THE VERTICAL CENTERLINE (AT 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 THE FIXED POINT BRACKET TO THE INSIDE OF THE CHUTE WALL.

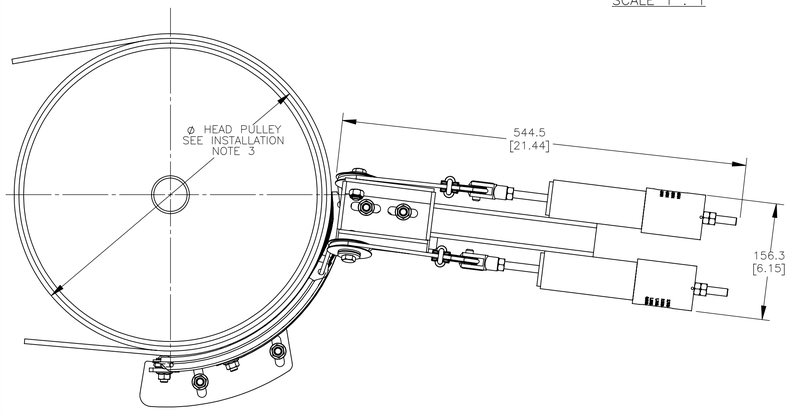
INSTALLATION NOTES:
6) ON THE OPERATORS SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER CUTOUTS AND THE TENSIONER MOUNT BRACKET. SEE THE CUTOUT DETAIL. BOLT OR WELD THE TENSIONER MOUNT BRACKET TO THE CHUTE WALL. BOLT THE TENSIONER TO THE TENSIONER MOUNT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
7) MEASURE THE APPROXIMATE CABLE LENGTH AND ASSEMBLE THE CABLE THIMBLES AND CLAMPS TO THE TENSIONER END OF THE BLADE ASSEMBLY. INSTALL CLEANER TO THE FIXED POINT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME. HOLD THE CLEANER TO THE HEAD PULLEY AND ROUTE THE CABLES THROUGH THE CHUTE WALL AND HOOK ONTO THE TENSIONER. 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. TIGHTEN ALL BOLTS.
8) TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL.

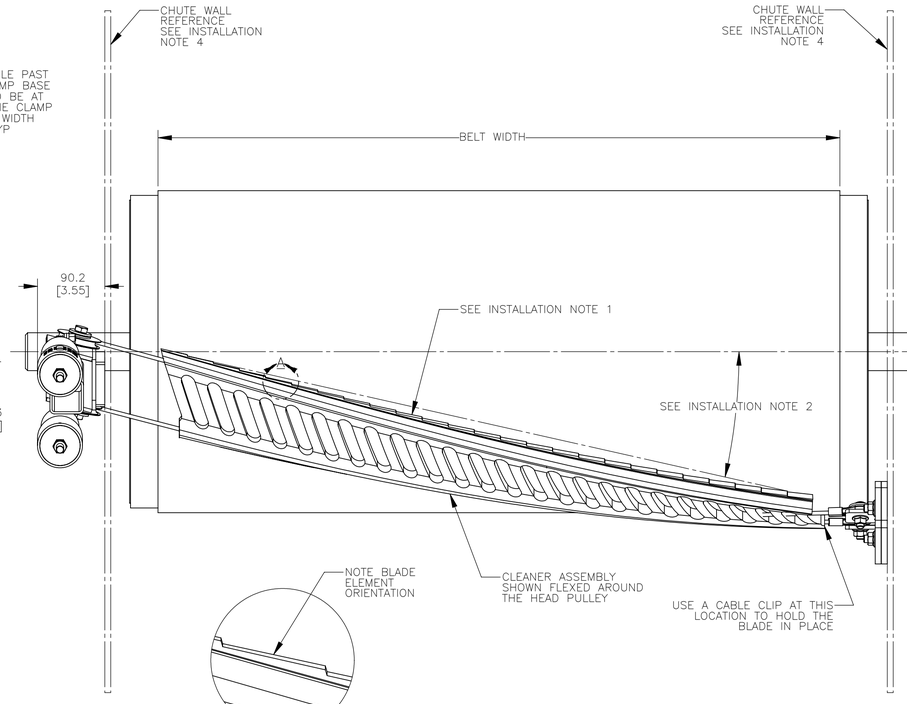
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	MARTIN CLEANSCRAPE CLEANER ASSEMBLY	SEE CHARTS

NOTES:
1) ALL DIMENSIONS ARE GIVEN IN MILLIMETERS [INCHES].
2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
3) IN THE "C1C" PART NUMBER:
THE FIRST X INDICATES THE ASSEMBLY TYPE:
B = BLADE ONLY ASSEMBLY (NO TENSIONER)
S = SYSTEM ASSEMBLY WITH TENSIONER
THE "C" INDICATES A "SMALL" CLEANSCRAPE BLADE/SYSTEM ASSEMBLY
THE NEXT XX INDICATES NUMBER OF ELEMENTS IN THE BLADE:
07 = 7 ELEMENTS THRU 40 = 40 ELEMENTS
THE NEXT X INDICATES BLADE CARBIDE TYPE:
⚠A A = A CARBIDE GRADE (MUST USE WITH COPPER SWAGE SLEEVES)
B = B CARBIDE GRADE
C = C CARBIDE GRADE
THE "R" INDICATES RUBBER BLADE BODY MATERIAL.
THE NEXT X INDICATES THIMBLE AND SWAGE MATERIAL:
A = ALUMINUM SWAGE SLEEVES & GALVANIZED THIMBLES
C = COPPER SWAGE SLEEVES & STAINLESS STEEL THIMBLES (ALL C1CXSXXARCNXX BLADE ASSEMBLIES ARE ONLY AVAILABLE WITH COPPER SWAGE SLEEVES & STAINLESS STEEL THIMBLES)
THE "N" INDICATES THE BLADE USES THE STANDARD 7X19 SS CABLE
THE NEXT X INDICATES IF AN INSTALLATION KIT (TENSIONER) IS INCLUDED:
BLANK = BLADE ONLY ASSEMBLY (NO TENSIONER)
1 = STANDARD SMALL BLADE 2.8kN DUAL COIL SPRING TENSIONER
THE LAST X INDICATES THE INSTALLATION KIT (TENSIONER) MATERIAL:
BLANK = BLADE ONLY ASSEMBLY (NO TENSIONER)
T = STANDARD PAINTED STEEL
S = STAINLESS STEEL

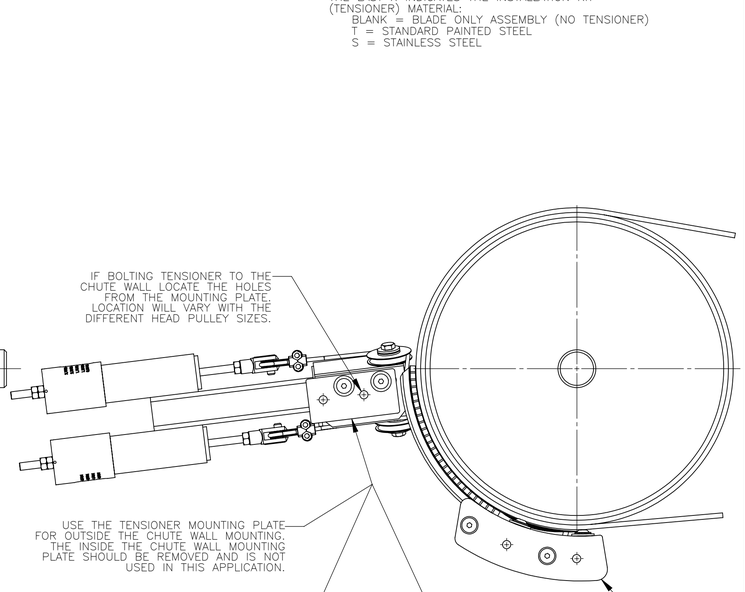


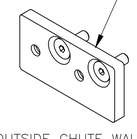
DETAIL B
(ON TENSIONER CLEVIS END)
SCALE 1 : 1

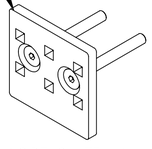


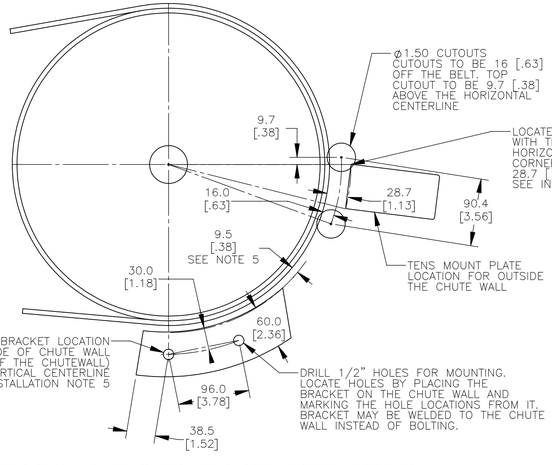


DETAIL A
SCALE 1 : 1

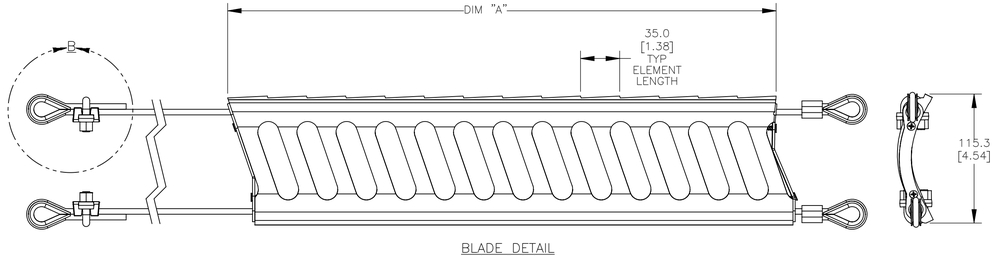



OUTSIDE CHUTE WALL TENSIONER MNT
SCALE 3:8


INSIDE CHUTE WALL TENSIONER MNT
SCALE 3:8



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



BLADE DETAIL
SCALE 3:8

NO.	DESCRIPTION	ECN	DATE	BY
A	CHGD THE BLD CARBIDE TYPE FROM 1 & 5 TO A & FROM 2 & 3 TO B IN THE CHART & NOTES, ADDED C CARBIDE TO CHART & NOTES	15534	12/10/19	RND

SOLIDWORKS REVISION

MARTIN ENGINEERING–USA
NEPONSET, IL USA

TITLE: CLEANSCRAPE SMALL CLEANER ASM WITH OUTSIDE THE CHUTE WALL TENSIONER

SALES DRAWING
PR13395D
S50128–S

DRAWN RND DATE 10/10/18
CHECKED ENG. DATE 10/15/18
APPROVED DATE 10/15/18
SCALE 1:4