| PART NUMBER (2ND, 3RD, AND 4TH X) | BELT WIDTH [IN] |
|---|---|
| C1CSXRS18XXX | 18 |
| C1CSXRS24XXX | 24 |
| C1CSXRS30XXX | 30 |
| C1CSXRS36XXX | 36 |
| C1CSXRS42XXX | 42 |

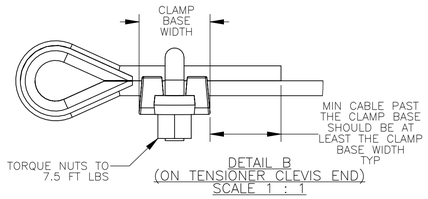
| PART NUMBER (2ND, 3RD, AND 4TH X) | BELT WIDTH [MM] |
|---|---|
| C1CSXR040XXX | 400 |
| C1CSXR045XXX | 450 |
| C1CSXR050XXX | 500 |
| C1CSXR060XXX | 600 |
| C1CSXR075XXX | 750 |
| C1CSXR080XXX | 800 |
| C1CSXR090XXX | 900 |
| C1CSXR100XXX | 1000 |
| C1CSXR105XXX | 1050 |

| (PART NUMBER FIRST X) TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL | | |
|---|---|---|
| PART NUMBER | TENSIONER/INSTALLATION KIT MATERIAL | P/N INSTALLATION KIT |
| C1CSBRXXXXXX | NO TENSIONER/BLADE ONLY | ------ |
| C1CSTRXXXXXX | TENSIONER WITH FIXED POINT MNT BRKT STL | C1CT1ST |
| C1CSSRXXXXXX | TENSIONER WITH FIXED POINT MNT BRKT SS | C1CT1SS |

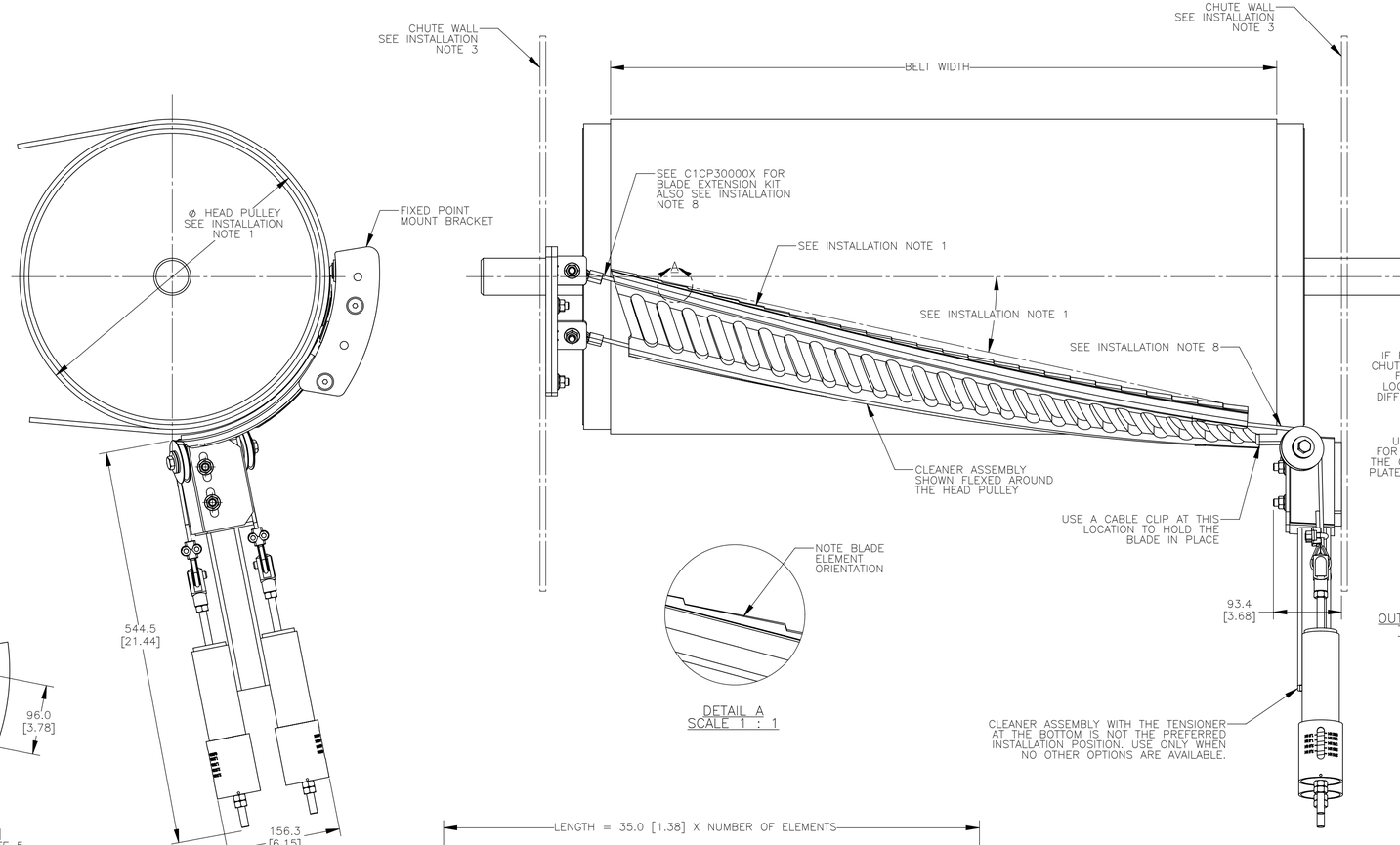
| (PART NUMBER 5TH X) BLADE CARBIDE TYPE | |
|---|---|
| PART NUMBER | APPLICATION |
| C1CSXRXXXAXX | STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE |
| C1CSXRXXXBXX | SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES |
| C1CSXRXXXCXX | EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES |

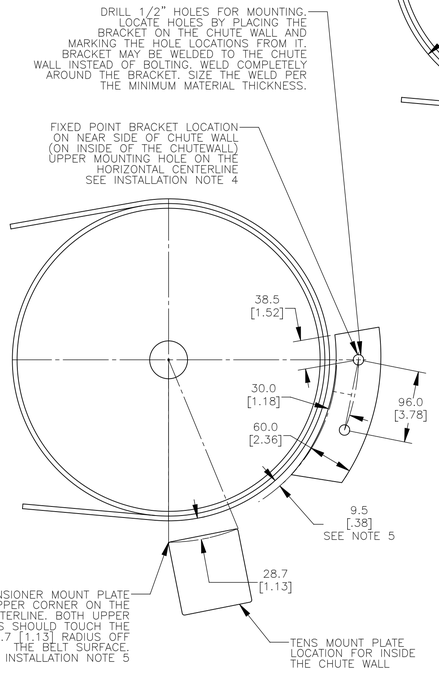
| ITEM | QTY. | DESCRIPTION | PART NUMBER |
|---|---|---|---|
| 1 | 1 | MARTIN CLEANSCRAPE CLEANER ASSEMBLY | SEE CHARTS |

NOTES:
1) IN THE C1C PART NUMBER:
THE S INDICATES A SMALL CLEANSCRAPE 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 / 10
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.

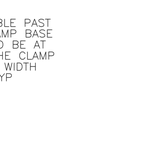


DETAIL B
(ON TENSIONER CLEVIS END)
SCALE 1 : 1



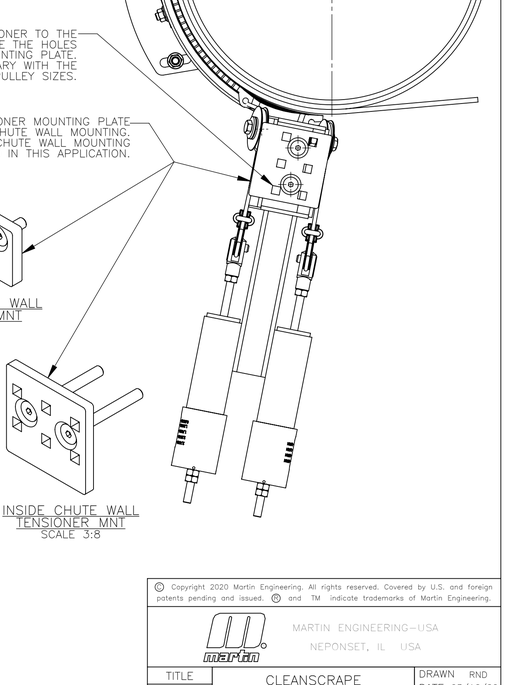
TENSIONER CHUTE CUTOUTS AND FIXED POINT BRACKET LOCATION
SCALE 1:4



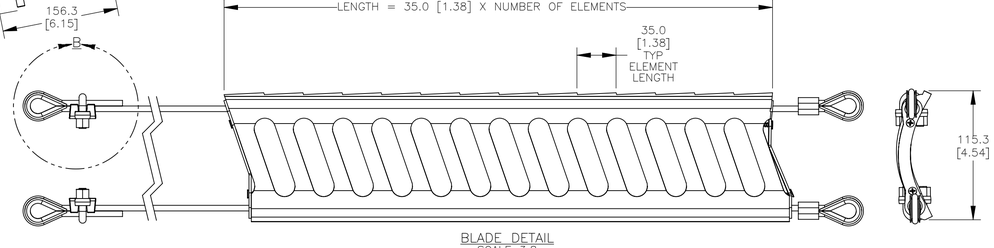
DETAIL A
SCALE 1 : 1



OUTSIDE CHUTE WALL TENSIONER MNT
SCALE 3:8



SCALE 3:8



BLADE DETAIL
SCALE 3:8

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 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] 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 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 CHUTE WALL.
5) 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 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 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.

| NO. | DESCRIPTION | ECN | DATE | BY |
|---|---|---|---|---|
| SOLIDWORKS | REVISION | | | |



MARTIN ENGINEERING–USA
NEPONSET, IL USA

| | | |
|---|---|---|
| TITLE | CLEANSCRAPE SMALL CLEANER ASM OUTSIDE THE CHUTE WALL TENS AT LOWER END | DRAWN RND DATE 03/16/20 |
| | | CHECKED ENG. YAH DATE 03/17/20 |
| SALES DRAWING | | APPROVED JRB DATE 03/17/20 |
| PR13941 | S50137–SILT | SCALE 1:4 |