southco

PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.

SPECIAL VISE-ACTION LATCH- INTERNATIONAL SERIES EUROPEAN RAILWAY KEY DRIVER

DATE	DRAWN	CHKD	SCALE	DRAWING NUMBER
31MAR2008	DP	XXX	.75:1	J-E3-99-417-BR

REV	DATE	DRAWN/CHKD	DESCRIPTION
A	31MAR2008	DP	PRN: P2008-0339

PART NUMBER	FINISH
E3-99-417-15-BR	BLACK POWDER COAT
E3-99-417-17-BR	SATIN SILVER POWDER COAT

COMPONENT	MATERIAL	FINISH	
RETAINER	302 STAINLESS STEEL	PASSIVATED	
SPRING	302 STAINLESS STEEL	NATURAL	
O-RING	BUNA - N	NATURAL	
SLEEVE	1075 STEEL	DACROTIZED †	
CAM	1075 STEEL	DACROTIZED †	
SHAFT	LOW CARBON STEEL	ZINK ALLOY PLATE, BRIGHT CHROMATE PLUS SEALER	
PIN	1008 STEEL	ZINK PLATE PLUS CHROMATE DIP, YELLOW	
GASKET	FIBRE	NATURAL	
HOUSING	DIE CAST ZINK	-15 BLACK POWER COAT	-17 SILVER POWER COAT
CAP	DIE CAST ZINK	-15 BLACK POWER COAT	-17 SILVER POWER COAT
JAM NUTS (2)	LOW CARBON STEEL	ZINK ALLOY PLATE, BRIGHT CHROMATE PLUS SEALER	
LOCKWASHERS (2)	SPRING STEEL	ZINK ALLOY PLATE, BRIGHT CHROMATE PLUS SEALER	
MOUNTING NUT	DIE CAST ZINK	ACRYLIC LATEX SEALER	
LOCKWASHER	SPRING STEEL	ZINK ALLOY PLATE, BRIGHT CHROMATE PLUS SEALER	

MILLIMETERS

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

THIRD ANGLE PROJECTION

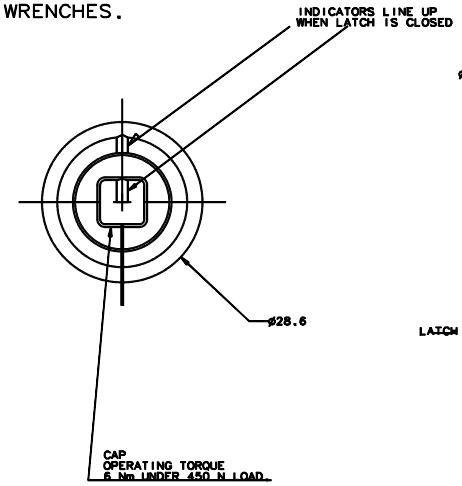
A4 PAPER SIZE

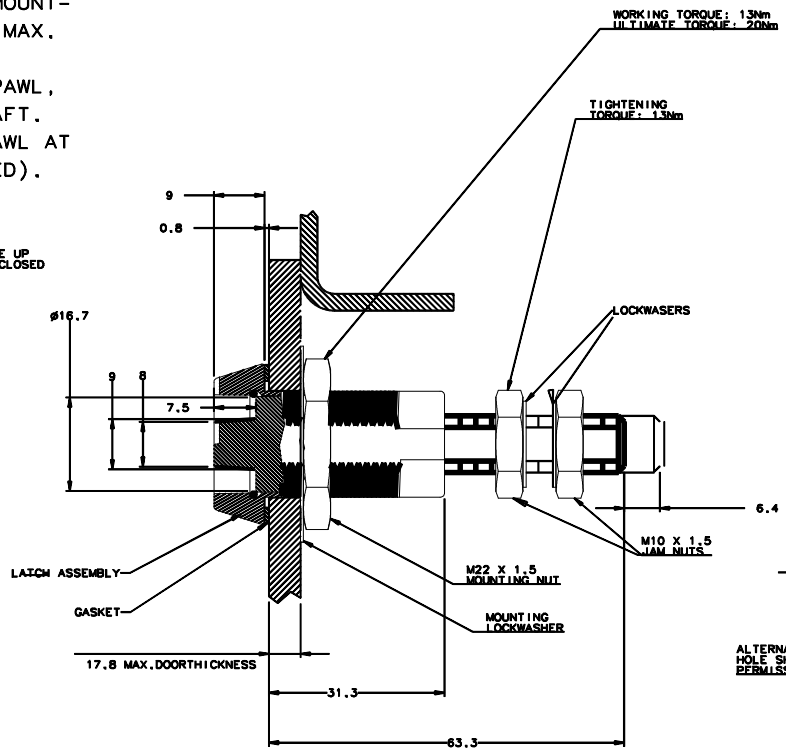
NOTE: SAME AS E3-14-1X EXCEPT 8 mm TAPERED CAP, SPECIAL HOUSING, RETAINING RING AND LESS PAWL AND BUSHING.

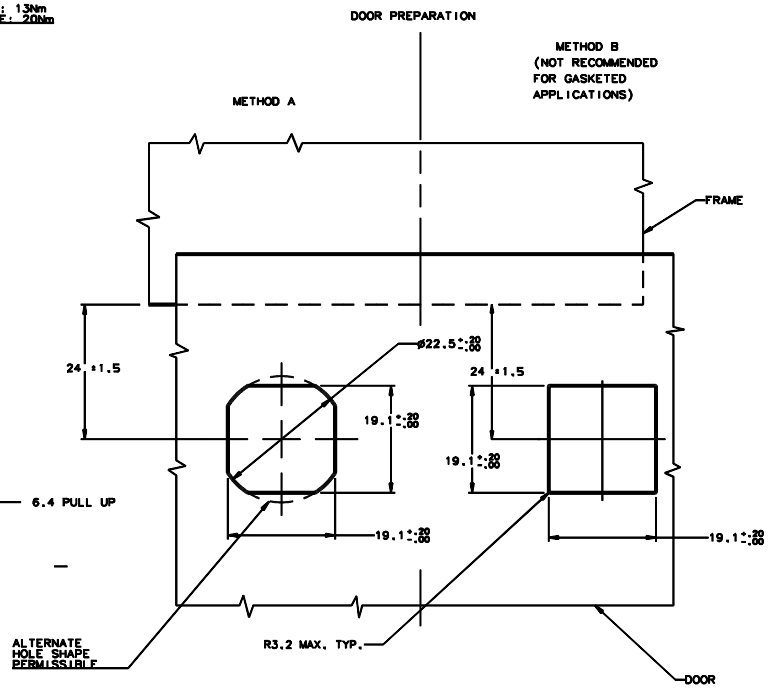
NOTES:

1. OPERATION: 195° TURN OF KEY CAUSES SHAFT TO ROTATE 75° THEN PULL UP 6.4.
2. NUTS AND LOCKWASHERS SHIPPED UNASSEMBLED IN BAG WITH LATCH ASSL'Y.
3. INSTALLATION:
   a. INSERT LATCH INTO HOLE IN DOOR. CHECK FOR PROPER ORIENTATION AND OPERATION WITH PAWL.
   b. INSTALL USING LOCKWASHER AND MOUNTING NUT (27mm ACROSS FLATS). MAX. TIGHTENING TORQUE 20 Nm.
   c. INSTALL JAM NUT, LOCKWASHER, PAWL, LOCKWASHER, AND JAM NUT ON SHAFT. ADJUST JAM NUTS TO POSITION PAWL AT CORRECT GRIP (WITH LATCH CLOSED). TIGHTEN JAM NUTS (20 Nm MAX. TORQUE) USING TWO 17mm WRENCHES.

CAUTION: ADJUST PAWL SO THAT NO MORE THAN 7.9 Nm TORQUE ON KEY IS REQUIRED TO CLOSE LATCH.







†TM - METAL COATINGS INTERNATIONAL, INC.