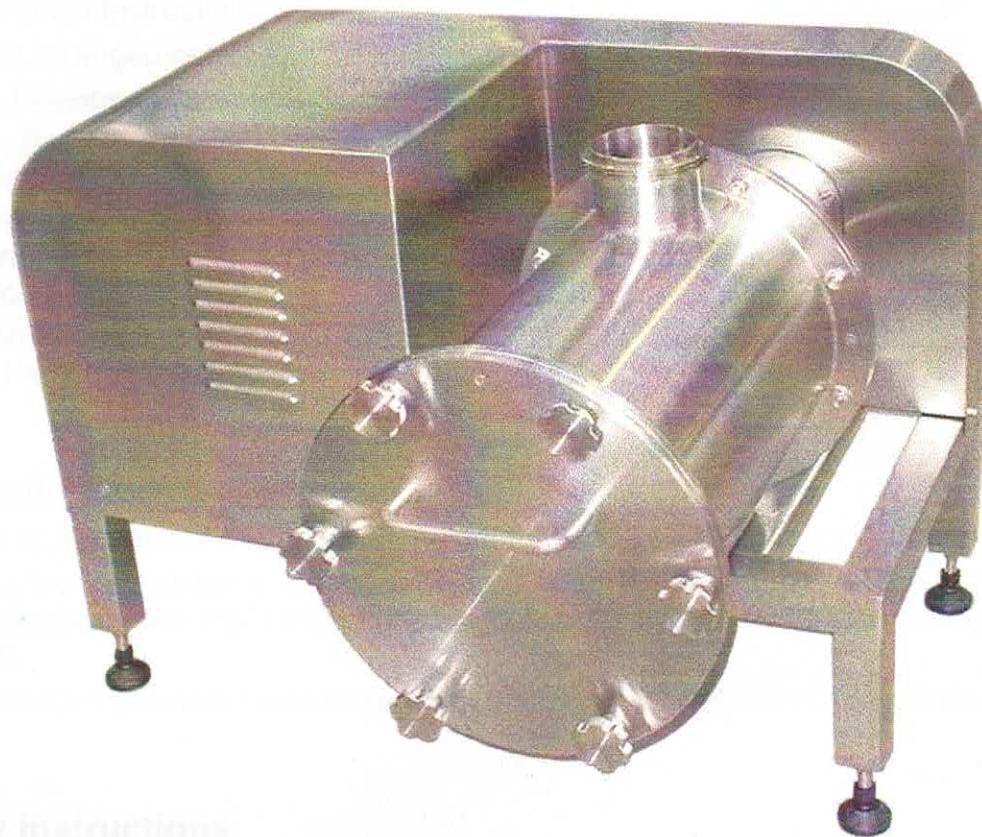


## Casein Mincer



### Safety instructions

IMPORTANT While the electrical circuit is connected, do not stand in water or in any other liquid containing in the area.

1. Before you remove the front door of the machine, make sure that the main switch is off.

2. Remove only the main drive shaft and the main drive belt.

3. Do not touch the mincer with the hands.

**This manual must be read before operating the casein mincer**

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## **2 Installation Instructions**

1. The feet at the base of the machine must firmly and securely mount the casein mill.
2. A 400V<sub>ac</sub> 3-phase power supply is to be connected to the terminals of the motor via a gland. When all electrical connections are complete and tested all electrical covers must be replaced.
3. Motor Rotation should be clockwise when viewing the output shaft, or belt drive end.

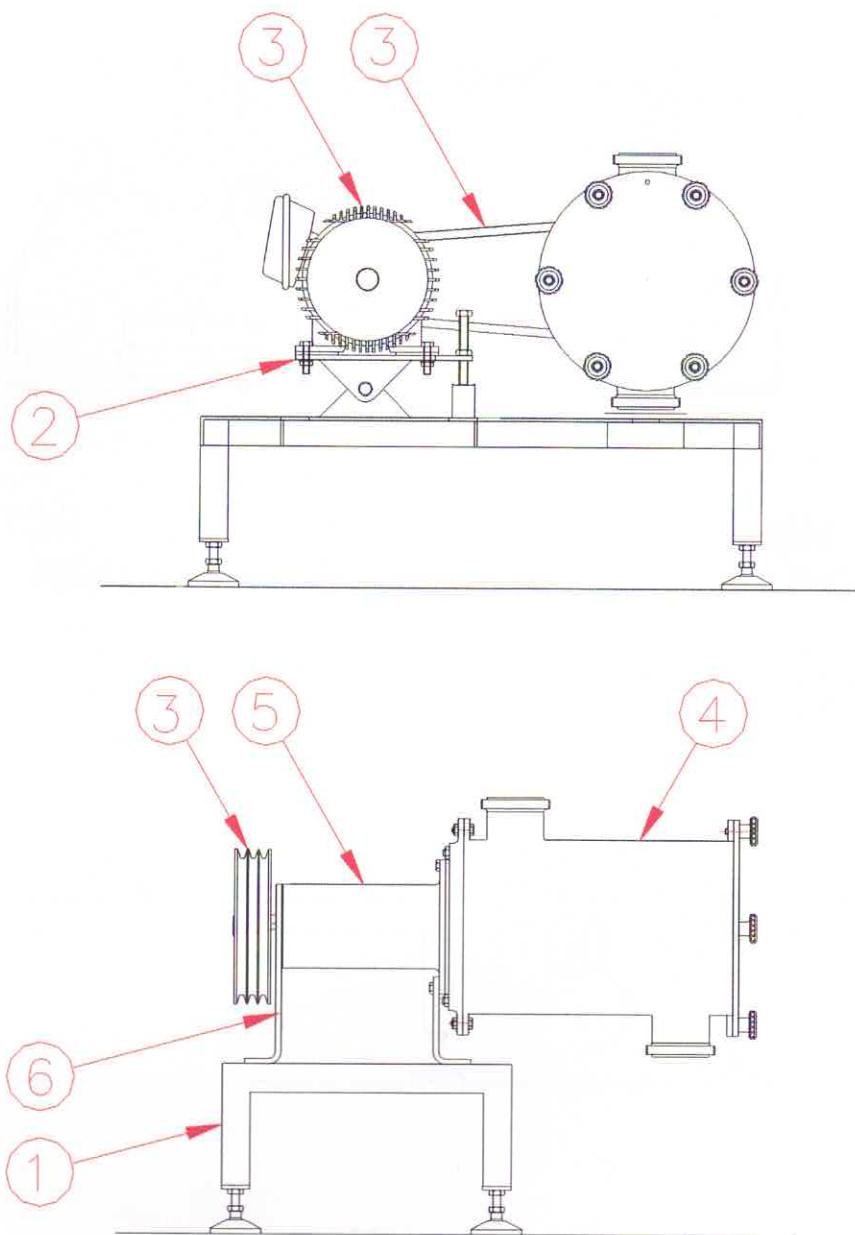
## **3 Safety Instructions**

1. **IMPORTANT** While the electrical covers are removed there must be no hosing or wet cleaning in the area.
2. **NEVER** remove the front door of the mincer when the motor control switch is in the 'on' position or while the main drive shaft is turning.
3. **NEVER** operate the mincer with the belt and motor guards removed.
4. This mincer may be operated with the orifice plates removed.

## **4 Maintenance Instructions**

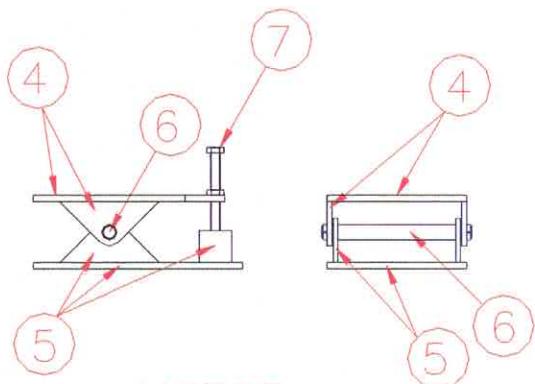
1. Apply 30g of lithium based grease to the grease nipples on the bearing housing every 1500hrs of service

## **5 General Arrangement**

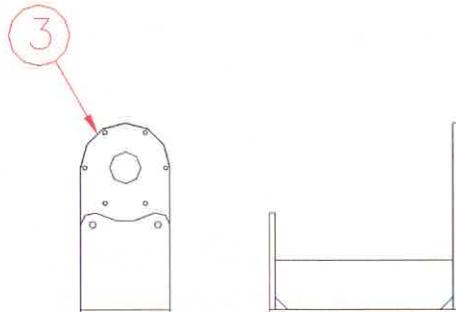


ITEM	DESCRIPTION	PAGE
1	BASE FRAME	4
2	MOTOR MOUNTING BRACKET	4
3	MOTOR, BELTS, & PULLEYS	5
4	MAIN BODY	6
5	BEARING HOUSING	7
6	BODY SUPPORT BRACKET	4

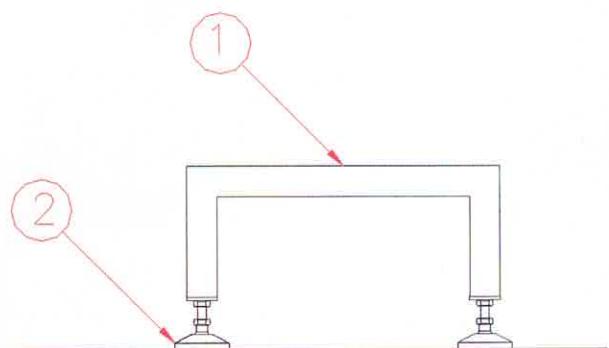
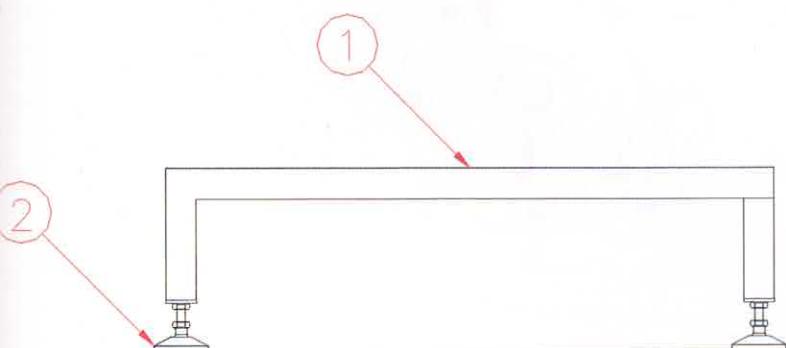
## 5.1 Motor Mounting Brackets & Stand



MOTOR  
MOUNTING BRACKET



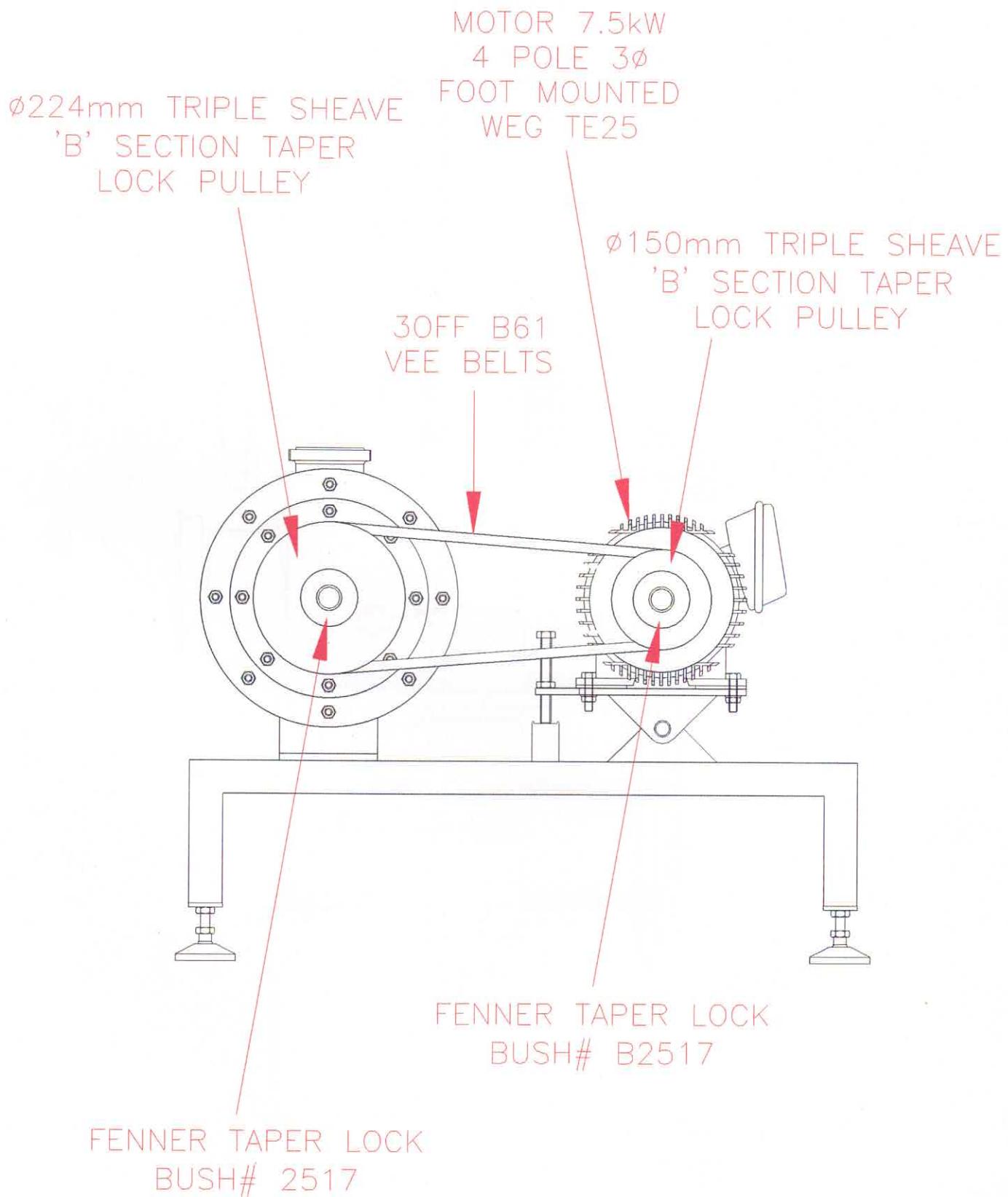
MAIN BODY  
MOUNTING BRACKETS



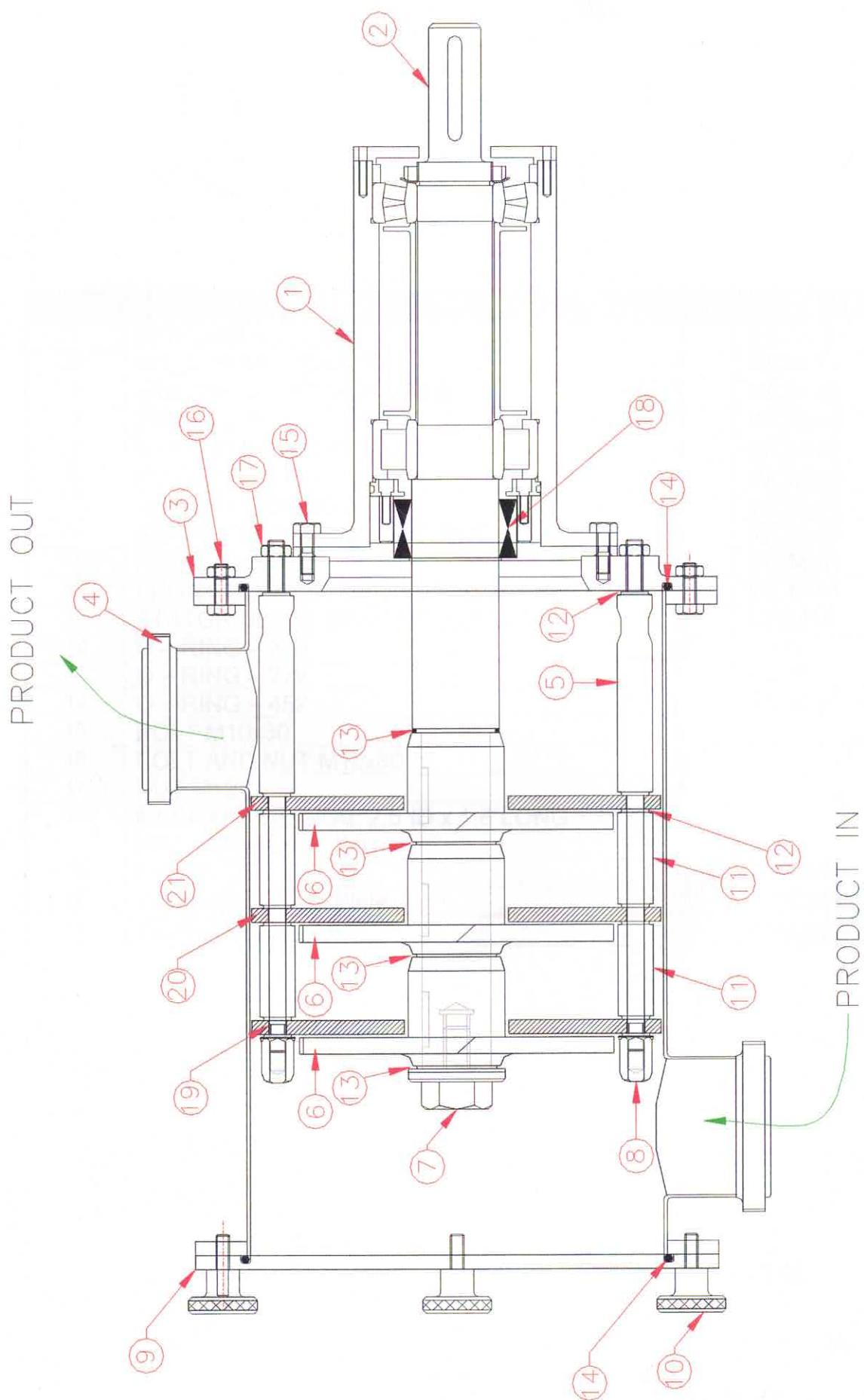
MAIN FRAME

ITEM	DESCRIPTION	QNTY	PART #
1	BASE FRAME (Modified)	1	WCM-61
2	MOUNTING FEET	4	LIB-08-01-05
3	MINCER BODY MOUNT	1	WCM-62
4	MOTOR PLATE TOP	1	WCM-63
5	MOTOR PLATE BOTTOM	1	WCM-64
6	MOTOR MOUNT TABLE PIN	1	WCM-40
7	THREADED ADJUSTER	1	WCM-41

## 5.2 Motor Belts & Pulleys



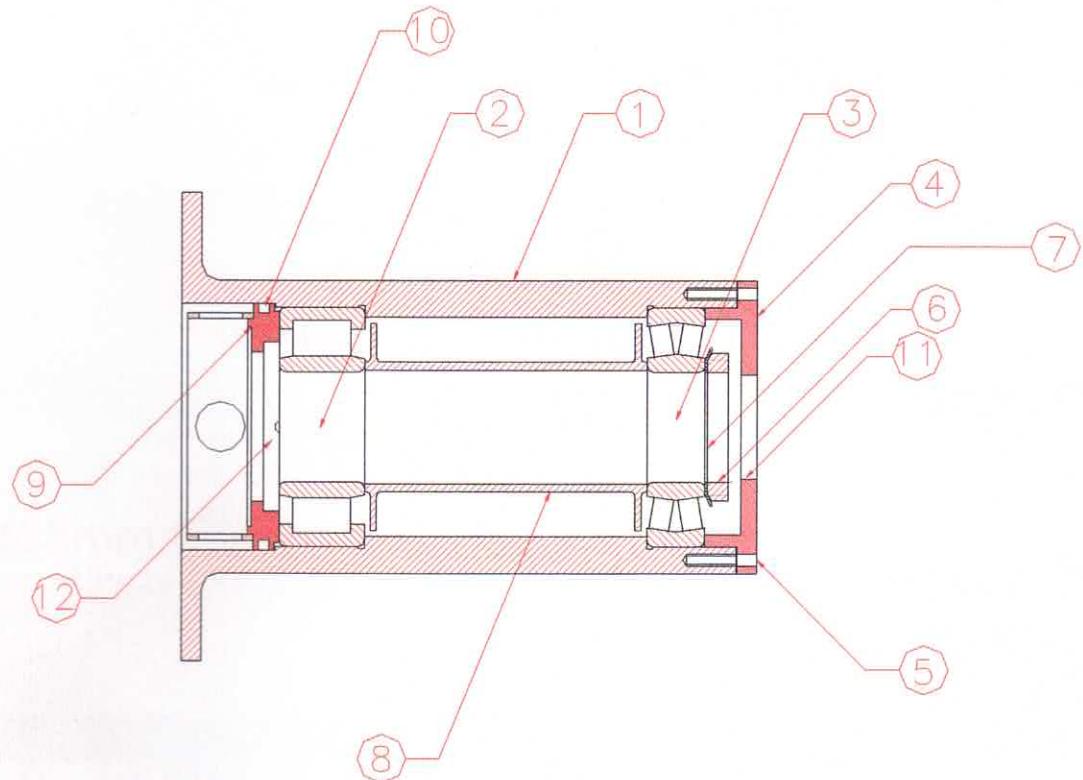
### 5.3 Main Body



## 5.4 Main Body Cont.

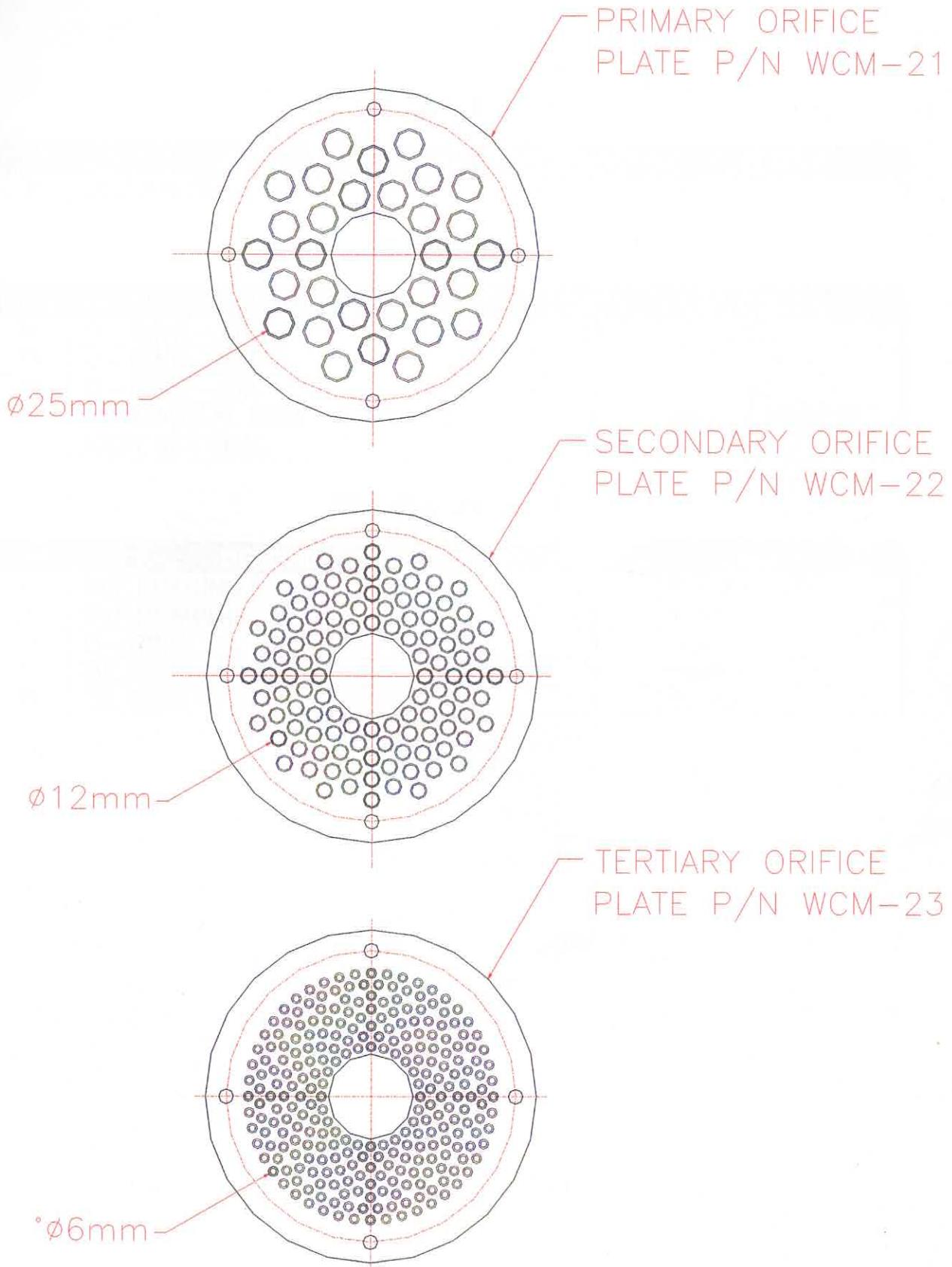
ITEM	DESCRIPTION	QNTY	PART #
1	BEARING HOUSING	1	ES-11-01
2	MAIN DRIVEN SHAFT	1	WCM-13
3	STATOR SUPPORT FLANGE	1	WCM-12
4	MAIN BODY	1	WCM-50
5	STATOR SUPPORT BARS	4	WCM-17
6	ROTOR BLADES	3	WCM-16
7	ROTOR LOCKING NUT	1	WCM-14
8	STATOR BLADE LOCKING NUT	4	WCM-19
9	FRONT DOOR	1	WCM-51
10	FRONT DOOR SECURING KNOBS	6	WCM-11
11	STATOR BLADE SPACING SLEEVES	8	WCM18
12	O – RING – 210	28	– 210
13	O – RING – 228	4	– 228
14	O – RING – 452	2	WCM-10
15	BOLT M10x30	6	
16	BOLT AND NUT M10x30	8	
17	NUT M12	4	
18	MECHANICAL SEAL 2.5"ID x 1.8"LONG HS7 – C4588C3F-X40	1	
19	Primary Orifice Plate		WCM-21
20	Secondary Orifice Plate		WCM-22
21	Tertiary Orifice Plate		WCM-23

## **5.5 Bearing Housing**



ITEM	DESCRIPTION	QNTY	PART #
1	BEARING HOUSING E.S.	1	ES-11-01
2	BEARING SKF NU2311 EC	1	
3	BEARING SKF 21311 E	1	
4	END CAP	1	ES-11-02
5	CAP SCREW M6	6	
6	SKF LOCK NUT M55x2 KM11	1	
7	SKF TAB WASHER MB11	1	
8	BEARING SPACING TUBE	1	ES-11-06
9	SEAL PLATE	1	WCM-57
10	O – RING – 349	1	WCM-26
11	OIL SEAL	1	38x52x8
12	OIL SEAL HMS4	1	68x90x10

## **5.6 Orifice Plates**



## 7 Recommended Spare Parts

### DRIVE

ITEM	DESCRIPTION	QNTY	PART #
3	VEE BELTS	3	B61

### MAIN BODY

ITEM	DESCRIPTION	QNTY	PART #
12	O – RING – 210	28	– 210
13	O – RING – 228	5	– 228
14	O – RING – 452	2	– 452
21	MECHANICAL SEAL – ASMUSS 2.5" EASY SET SEAL	1	HS7 – C4588C3F – X40

### BEARING HOUSING

ITEM	DESCRIPTION	QNTY	PART #
2	SKF BEARING	1	NU2311 ELP
3	SKF BEARING	1	21311 E
11	O – RING	1	– 349
12	OIL SEAL	1	38x52x7
13	OIL SEAL HMS4	1	85x70x8

## 6 Spare Parts Fax Back

Please photocopy and this form, fill in details and fax to Engineering Services when spare parts are required.

## Casein Mincer

File # 2561B

Engineering Services Fax # 64 9 430 3668

Your Name: \_\_\_\_\_

Your Company: \_\_\_\_\_

Your Phone #: \_\_\_\_\_ Your Fax #

Your Fax #

Date: \_\_\_\_\_