



MATERIAL HANDLING SOLUTIONS THAT WORK
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FLAT WIRE MESH BELT CONVEYOR OWNERS MANUAL

Table of Contents

INTRODUCTION	3
SAFETY WARNINGS	5
BEFORE STARTING MAINTENANCE	5
DURING MAINTENANCE.....	5
AFTER MAINTENANCE	5
EQUIPMENT DESCRIPTION.....	7
EQUIPMENT DESCRIPTION.....	7
INSTALLATION INSTRUCTIONS	10
POSITION AND ALIGNMENT	10
SUPPORT ASSEMBLY	11
CONVEYOR FRAME INSTALLATION.....	12
END DRIVES	12
FLAT WIRE MESH BELT INSTALLATION	13
PREPARING UNIT TO RUN	15
FLAT WIRE MESH BELT TRACKING AND TIGHTENING.....	15
MAINTENANCE.....	17
MECHANICAL MAINTENANCE.....	17
ELECTRICAL MAINTENANCE.....	18
TROUBLE SHOOTING GUIDES.....	19
MOTOR AND GEAR REDUCER	19
CHAIN AND SPROCKETS:	19
ELECTRICAL.....	20
FLAT WIRE MESH BELT	21
PARTS GUIDE.....	22
END DRIVE SHAFT.....	22
WMB SINGLE TOOTH SPROCKETS.....	22
END TAKE-UP SHAFT	23
WMB DUAL TOOTH SPROCKETS.....	23
CARRIER ROLLERS.....	24
BELT RETURN ROLLERS (TAPPED AXLE).....	24
SNUBBER ROLLERS.....	24
BEARINGS	25
FLAT WIRE MESH BELTING / CONNECTING PIN	25
DRIVE TRAIN COMPONENTS	25
SUPPORTS	26
TOUCH-UP PAINT	26

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FLAT WIRE MESH BELT INDUSTRIAL CONVEYORS

INTRODUCTION

Thank you for purchasing a Flat Wire Mesh Belt Conveyor from Wecon Systems . This model is made of the finest materials available and is manufactured in Canada by skilled craftsmen. The conveyor is very easy to operate and to maintain, but we recommend that you read this owner's manual thoroughly before using the conveyor.

This manual provides installation instructions, start-up procedures, safety tips, a parts list and information regarding preventative maintenance, lubrication and troubleshooting. This conveyor is durable and has been designed for a long service life.

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SAFETY WARNINGS

WARNING: DO NOT ATTEMPT MAINTENANCE ON ANY CONVEYOR WHILE IT IS IN OPERATION.

BEFORE STARTING MAINTENANCE

- Read and understand instruction manual and be aware of all warning stickers.
- Know where the emergency stop buttons are located.
- Know or have quick access to emergency telephone numbers in the unforeseen event that an emergency should arise.
- Maintenance functions are to be performed while the conveyor is off. The main power disconnect switch to the conveyor shall be locked out in accordance with proper written lockout procedures. This will prevent anyone from applying power to the system while maintenance personnel are at work.
- NEVER work on a conveyor while it is running unless the maintenance procedure requires the equipment to be running. When a conveyor must be operating to perform the maintenance, allow only properly trained maintenance personnel to work on the conveyor.
- Wear safety glasses when in the proximity of the conveyor.
- NEVER allow personnel with long hair near the conveyor without the use of a protective hair net.

DURING MAINTENANCE

- Do not wear loose clothing, ties or jewelry while servicing or performing maintenance on any conveyor equipment.
- Be aware of hazardous conditions, such as sharp edges and protruding parts.
- When using hoists, cables or other mechanical equipment to perform maintenance, use care to not damage conveyor components.
- Keep area clean. Clean up lubricants and other materials before starting conveyor.

AFTER MAINTENANCE

- Before starting the conveyor after any maintenance has been completed, walk around the equipment and make certain all safety devices and guards are in place, pick up tools, maintenance equipment and clear any foreign objects from equipment.
- Make certain all personnel are clear of the conveyor and made aware that the conveyor is about to be started.
- Only authorized personnel should be permitted to start any conveyor following maintenance or emergency shut-off.
- Never place any part of your body in or on any part of this conveyor while in operation.
- Do not allow anyone to stand on the conveyor.
- Do not allow horseplay around the conveyor.
- Do not remove guards, perform maintenance or clear obstructions without first locking out the main power disconnect switch.

PLEASE RECOGNIZE ALL WARNING STICKERS AND OBEY ANY SAFETY INSTRUCTIONS. WARNING STICKERS ARE PLACED ON THE EQUIPMENT FOR YOUR SAFETY – PLEASE DO NOT REMOVE THEM. CONDITIONS DO EXIST ON ANY CONVEYOR THAT CAN CAUSE INJURY OR DEATH TO PERSONNEL. NO MANUAL CAN COVER ALL THE HAZARDOUS CONDITIONS THAT MIGHT DEVELOP. ALL PERSONNEL INVOLVED IN THE OPERATION OF ANY CONVEYOR EQUIPMENT SHOULD BE CONSTANTLY AWARE OF ANY UNSAFE CONDITIONS AND USE ALL POSSIBLE CARE, ALONG WITH COMMON SENSE AND STRICT ADHERENCE TO ACCEPTED SAFETY STANDARDS TO AVOID INJURY.



FLAT WIRE MESH BELT CONVEYOR

IMPORTANT

Wecon Systems does not warrant parts or components not manufactured by Wecon Systems. The manufacturers of electric motors and controls, air and hydraulic components and certain other items extend warranties, which may or may not be similar to that of Wecon Systems manufactured equipment. Defective material of this type should be reported by the customer to Wecon Systems whose sole responsibility is to notify the vendor of the defective material for action. Wecon Systems will not be responsible for units that have been tampered with or disassembled by anyone other than the authorized representative of the respective manufacturer.

EQUIPMENT DESCRIPTION

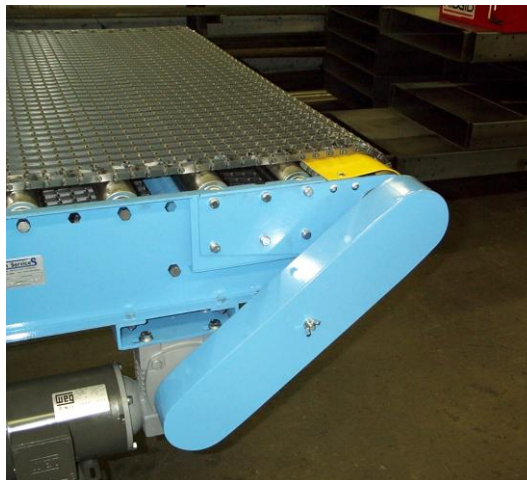
EQUIPMENT DESCRIPTION

Flat wire mesh belt conveyors operate by pulling a metal belt over the top of a series of 2.5" diameter x 11 gauge steel rollers with grease packed ball bearings. Rollers are contained within a formed steel channel bed. Roller axles are 11/16" hex spring loaded. These carrier rollers are available on 6" axle centers as standard. The rollers provide a surface for the belt to travel. Products are conveyed on the surface of the flat wire mesh belt.

Flat wire mesh belt conveyors provide smooth, continuous flow of product under positive control and are used for horizontal applications. Flat wire mesh belt conveyors can be used to carry hot or cold products or where drying is required. Heavy duty construction makes the equipment ideally suited for harsher environments where dirt, heat, oil and other contaminants are present.

Wecon's flat wire mesh belt conveyors utilize an end drive that is capable of one-way operation only. Drives are available in fixed speeds in relation to the required belt pull.

Available accessories include angle and channel guardrails, catch pans, variable speed drives and soft-start controllers.



END DRIVE ASSEMBLY

Bed Sections – Provides a surface for the belt to travel. The belt rides on a series of carrier rollers mounted within the bed. The product is conveyed along the flat wire mesh belt. Flat wire mesh belt conveyors are available in nominal increments of 5 and 10 feet.

End Drive Assembly – Is the power source that moves the flat wire mesh belt along the bed.

End drives are used for all applications. Each end drive consists of series of cast iron WMB sprockets with matched keyways aligned on a shaft. These sprockets are spaced along the shaft at approximately 6” centers to provide maximum support for the flat wire mesh belt. For heavier load applications, additional sprockets may be required. Contact engineering for details. End drives should always be installed at the discharge end of the conveyor. This end drive arrangement provides positive drive to the flat wire mesh belt. Standard drives have fixed speeds and can only be used for one-way operation. Variable speed drives and soft start controllers are available as options.

End Take-up Assembly – Provides the take-up on the idler end of the conveyor.

Each end take-up assembly consists of one cast iron WMB sprocket with keyway and a series of cast iron WMB idler sprockets aligned on a shaft. These sprockets are spaced along the shaft at approximately 6” centers to provide maximum support for the flat wire mesh belt. For heavier load applications, additional sprockets may be required. Contact engineering for details. The WMB sprocket with keyway ensures rotation of the end take-up shaft and prevents a free wheeling situation between the idler sprockets and the shaft.

Flat Wire Mesh Belt – Carries the product.

Available in three common materials:

1. High carbon steel
2. Galvanized steel
3. Stainless steel

The belt consists of an assembly of formed flat wire pickets. These pickets are nested and joined together with straight connector rods inserted through the nominal openings of each pitch. Each pin is either welded or clinched to hold the belt together. The flat wire mesh belt is available in several pitch options to accommodate conveyance of product being transported. Belts are joined together to provide a continuous loop.

Heavy Duty Supports – May be mounted to the floor. Numerous width and height combinations are available.



HEAVY DUTY SUPPORT

Guard Rails – Formed angle guard rails keep the product contained on the conveyor. All overhead applications require the installation of guard rails and safety guarding or catch pans to help prevent any product from falling through or from the conveyor to the area below.

INSTALLATION INSTRUCTIONS

POSITION AND ALIGNMENT

Proper mechanical installation is vital for the equipment to operate as described. Our installation standards show the importance that Wecon places on a quality installation.

Installation Standards

- **In General:**
The following standards, where applicable, will be used as guidelines by Wecon approved installers.
- **Dimensional Reference Points:**
The location of each conveyor in the system will be determined by establishing a reference point to the center of each conveyor from the fixed building column lines as indicated on approved general arrangement drawings.
- **Level and Elevations:**
Conveyors will be installed in accordance with the elevations shown on the layout drawing(s).
After the first elevation is established, the elevation of all other points will be related to this first point. The practice of dimensioning elevations from the floor at each point of support will not be followed. When the floor level changes significantly, such as the system going to an upper or lower floor, or into another building or room, a new elevation will be established from the first floor at that point. This new elevation will then become the reference point for subsequent elevations.
- **Standards For Floor Mounting:**
Anchoring will be accomplished by drilling into the floor and inserting a suitable anchor bolt in an approved manner in accordance with the manufacturer's instructions.
Drive and intermediate stands will be anchored with 3/8" diameter minimum bolts, one in each leg.
Explosive type anchors will not be used. Adhesive or specialized anchors will be used only when specified.

Floor Mounted Units

- At the desired position for the conveyor, snap a chalk line (not in excess of 100 feet per run) on the floor location for the centre line of the unit.
- Use a plumb line to align the centre line of each conveyor section to the chalk line.
- Set height of unit.
- Adjust the conveyor both lengthwise and diagonally using a level.

NOTE: Beds must be level from side to side to prevent the possibility of a mis-tracking belt.

Beds and Supports

Beds are designed to accommodate both intermediate and end bed applications. End drive assemblies or end take-up assemblies include a 4", 6" or an 8" diameter end assembly.

SUPPORT ASSEMBLY

Supports are fastened to the bottom flange utilizing holes designed into each bed section. Supports can be installed directly under a bed joint to support two adjacent bed sections. A set of splice plates must be used in conjunction with a support to join two adjacent bed sections. For single or end bed applications, supports can be mounted in the first available set of holes at the charge and the discharge ends of the conveyor. Mounting a support can be accomplished by either lifting the bed section into position onto a support or attaching the support to a bed section prior to lifting it into position. After the conveyor has been aligned and leveled, anchor the supports to the floor in an approved manner in accordance with the anchor bolt manufacturer's instructions.



HD SUPPORT MOUNTED ON END



HD SUPPORT MOUNTED ON JOINT

CONVEYOR FRAME INSTALLATION

It is recommended that only trained personnel install or service this equipment.

Wecon SLIDERBED conveyors are shipped on skids, generally, not exceeding 4000 pounds, for lift truck unloading and handling. The skids may also be handled with a crane if one is available. If a crane is utilized, ensure the operator is certified in the competency of its operation. Each skid will vary in width, length and height depending upon the style of product purchased.

The conveyor frames, supports, rollers and accessories should be thoroughly inspected before proceeding with the conveyor installation. Upon delivery, be sure to check the following items very carefully:

- The alignment of frames, to ensure horizontal and parallel orientation.
- The equipment to ensure there is no visible damage to the frames or rollers.

END DRIVES

Position End Drive unit as follows:

- On a horizontal conveyor used for one-way operation, the drive is always located at the discharge end of the conveyor.
- Prior to start up, check and verify the reducer has the correct level of oil and that breather plugs (if required) are installed correctly before operating the motor.

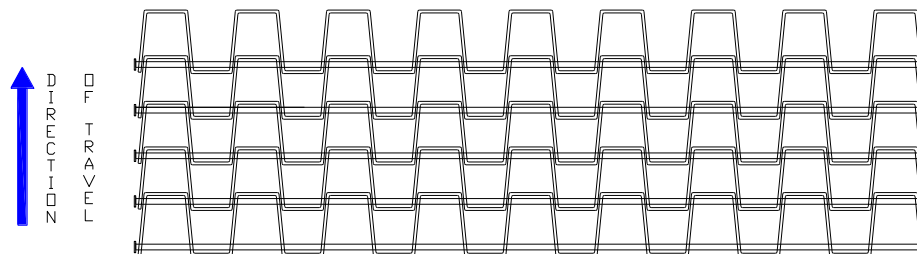
NOTE: End Drives are specifically designed for one-way operation and not for two-way applications.

FLAT WIRE MESH BELT INSTALLATION

- Ensure all surfaces the flat wire mesh belt will touch are free from oil and other debris.
- Check to ensure the return belt path is clear and clean.
- Check to ensure the belt return rollers turn and they are set in the centre position in their slots.
- Ensure the take-up assemblies are set at their minimum.

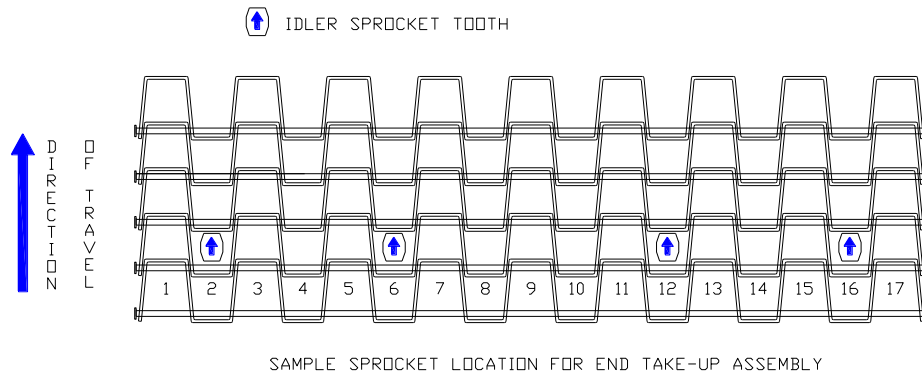
**END TAKE-UP ASSEMBLY**

- Place the roll of flat wire mesh belt to be installed on the floor at the discharge end of the conveyor.
- Ensure the load carrying surface of the flat wire mesh belt is facing downwards as the end of the belt is being pulled off the roll and through the underside of the conveyor toward the end take-up assembly. Make sure the belt is installed with the tabs shingled in the direction of belt travel.

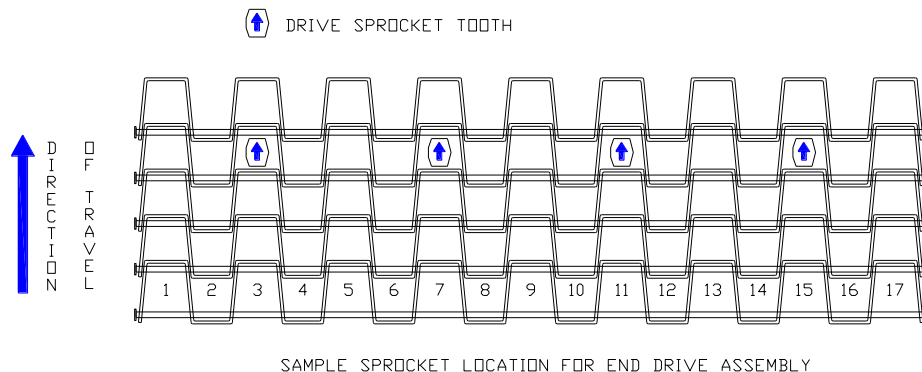


- Thread the end of the flat wire mesh belt over the snubber roller closest to the end drive. Route the belt in a path over the return idler rollers and remaining snubber roller towards the end take-up as required.

- Wrap the flat wire mesh belt around the end take-up assembly. The outside sprockets of the end take up assembly should be located in the second opening from each belt edge. Space the idler sprockets as evenly as possible along the shaft. These idler sprockets should be positioned along the shaft in locations corresponding to even numbered mesh openings in the belt ensuring the hub of each sprocket is facing the same direction. Sprockets should be placed at approximately 6" centers to ensure the maximum support for the product being conveyed. Tighten set screws in the sprocket with keyway.



- Once the belt has been positioned around the end take-up assembly, pull the end back along the path over the carrier rollers as required.
- Secure the belt in position on the top of the conveyor using a series of clamps or belt puller to prevent the belt from unrolling on the conveyor.
- Take the opposite end of the flat wire mesh belt and wrap it around the end drive assembly. The outside sprockets of the end drive should be located in the third opening from each belt edge. Space the drive sprockets as evenly as possible along the shaft. These drive sprockets should be positioned along the shaft in locations corresponding to odd numbered mesh openings in the belt ensuring the hub of each sprocket is facing the same direction. Sprockets should be placed at approximately 6" centers to ensure the maximum support for the product being conveyed. The teeth of the sprockets must always drive against the round connector of the flat wire mesh belt not on the wire picket. **Failure to comply will result in severe damage to the flat wire mesh belt.** Tighten all set screws.



- With the belt in position around the end drive, bring the two ends of flat wire mesh belt together on top of bed surface.
- Using a securing device, clamp both ends of the flat wire mesh belt to the top of the bed.
- Use belt puller to bring ends together if required.
- Mark and cut the flat wire mesh belt to the corresponding length as required.
- With belt ends pulled together and aligned, install the connecting pin and fasten appropriately. Ensure the connecting pin is secured with a jam nut to prevent the flat wire mesh belt from uncoupling.

DANGER: Do not attempt to install a flat wire mesh belt without a securing device to hold the belt. Extreme caution must be used when installing a flat wire mesh belt in the event the belt should become dislodged and unravel from its position on the conveyor. By recognizing this as a potential hazard, an individual can take appropriate action to prevent coming in contact with the belt should a free wheeling situation of the belt occur. Failure to follow these requirements may result in severe injury or death.

PREPARING UNIT TO RUN

- Ensure the conveyor path is free from oil, debris and other foreign objects.
- Check to ensure the motor is properly wired for correct rotation with respect to the direction of belt travel.
- Adjust take-ups evenly to remove any slack from the flat wire mesh belt.
- Check to ensure that all guards are in place and that all hardware has been tightened.
- Ensure all personnel are clear, then run unit and observe belt tracking.

FLAT WIRE MESH BELT TRACKING AND TIGHTENING

- With unit running, observe the travel of the flat wire mesh belt over the bed surface and through all components.
- Maintain end drive and end take-up assembly squareness to the frame by adjusting evenly at each end.
- End take-up assembly adjustment is used only as a last resort. Never use the end drive or end take-up assembly for flat wire mesh belt tracking.
- Ensure the belt return rollers are square to bed by checking that the shafts are in the middle of the slots.

- When using the belt return rollers for flat wire mesh belt tracking, **“The flat wire mesh belt moves towards the side of the roller it touches first.”**
- If the flat wire mesh belt wanders off centre and then returns to the centre during a complete rotation, no adjustment for tracking is necessary. This kind of mis-tracking is caused by a lengthwise camber in the belt which may correct itself with continued use.
- If the flat wire mesh belt wanders off centre within a particular bed section, turn off the drive then check the bed section for alignment and squareness.
- If mis-tracking occurs at an end take-up assembly, square the take-up to the bed frame.
- Measure distances between the shaft and the end of the bed. Measurements should be equal at both ends of the shaft. If not, the end take-up assembly is not square to the bed.
- To adjust squareness of an end take-up assembly, loosen the jam nut and turn the adjusting screw as needed to move one end of the shaft until measurements are equal.
- Tighten jam nuts to secure adjustment.
- If mis-tracking continues to occur at an end drive or end take-up assembly after adjustments have been made in accordance with the preceding steps, a return roller up stream from the mis-tracking area can be adjusted to centre the flat wire mesh belt.
- Run the conveyor with a moderate load of product on the flat wire mesh belt and check for proper belt tension. Belt slack must not extend below the confines of the side channels of the bed.
- If excessive slack is observed between the belt return rollers, or hangs below the side channels adjust the end take-up assembly to tighten the flat wire mesh belt to remove this excessive slack.
- To adjust the end take-up assembly, loosen jam nuts and turn adjusting screws alternately and equally a few turns at a time, to move the end take-up assembly away from end drive.
- When the end take-up assembly has been moved enough to eliminate the excessive slack, tighten the jam nuts on the adjustment screws to lock setting.
- Check to ensure supports are level.
- Check belt return rollers in the bottom of bed section. If the flat wire mesh belt is running to one side, loosen and adjust upstream roller.

Do not over tighten the flat wire mesh belt, as parts will be damaged and service life will be significantly reduced.

MAINTENANCE

WARNING: DO NOT ATTEMPT MAINTENANCE ON ANY CONVEYOR WHILE IT IS IN OPERATION.

MECHANICAL MAINTENANCE

Item	Schedule Service	Suggested Maintenance
Gear reducer	At start-up and every month of operation	Check oil
	Yearly	Change oil
Motor	At start-up and every month of operation	Check mounting hardware and align if necessary
Drive chain	Monthly	Check tension and alignment
	Monthly	Clean and lubricate with brush or spray
Flange bearings or pillow block bearings	Monthly	Lubricate
Roller bearings	Weekly	Check for unusual noise or excessive wear, replace as required
Flat wire mesh belt	Weekly	Inspect belt for damage, excessive wear, and tracking
Protective guards	At start-up and every week of operation	Check to ensure all guards are in place and properly secure
End take-up assemblies	Weekly	Check to ensure end take-up assemblies are free of any obstruction, centered in the frame and aligned properly
Supports	Weekly	Check to ensure supports have not been damaged and are properly secured
Hardware	At start-up and every week of operation	Check to ensure all fasteners are in place and properly tightened

Note: Gear reduction drives units are filled with lubricant prior to shipping. The lubricant level should be checked prior to start-up and the breather plug installed in the proper location (see reducer manual supplied with unit). Only refill reducers with the approved lubricant required for standard service - if service is more severe; the oil should be changed more frequently.

Consult the reducer manufacturer for a more specific lubrication schedule.

ELECTRICAL MAINTENANCE

WARNING: DISCONNECT ALL POWER BEFORE PERFORMING THE FOLLOWING MAINTENANCE. ENSURE THE MAIN POWER DISCONNECT SWITCH TO THE CONVEYOR IS LOCKED OUT IN ACCORDANCE WITH PROPER WRITTEN LOCKOUT PROCEDURES.

ONLY QUALIFIED PERSONNEL SHOULD PERFORM THE FOLLOWING MAINTENANCE.

Note: A qualified person should keep a logbook of the following readings noting and documenting any excessive changes from normal that could indicate a potential problem.

1. Measure voltages and current of incoming power to enclosure.
2. Measure current readings of all motors.
3. Measure current readings on primary and secondary of control transformer to insure proper infeed and outfeed voltage.
4. Review usage - excessive use of fuses or replacing the same part several times indicates an excessive current draw, faulty components, or exceeding the capacity of the conveyor unit.

Item	Schedule Service	Suggested Maintenance
Control panels and pushbutton enclosures	Always	Enclosures should be clean and dry
	Weekly	Check if components have vibrated loose, check door/power interlocks and latches
	At start-up, monthly or if any problems occur	Check for loose or discolored wires (Discolored wires indicate an excessive current draw)
Photoeyes	At start-up, weekly	Dust, oil and foreign objects should be wiped from lenses and reflectors
Limit switches	Weekly	Check arms for adjustment and tightness
Pushbuttons	Weekly	Check wires and terminals for tightness
Emergency stop devices	Weekly	Check for proper operation
Conduit and conduit hangers	Monthly	Check for alignment and damage, exposed wiring
Wiring	At start-up, monthly or if any problems occur	Check for exposed cords and wires for damage, replace as necessary

TROUBLE SHOOTING GUIDES

MOTOR AND GEAR REDUCER

Problem	Possible Cause	Suggested Solution
Hard to start, stalling out or running hot	Drag on conveyor	Inspect for obstruction causing drag and remove
	Lack of lubricant	Check oil level in gearbox, verify vent breather plug is open
	Overloaded	Remove load and possibly increase horsepower
	Electrical	Check wiring, circuits and take load readings
Excessive noise	Lack of lubricant	Check oil level in reducer and add if required
	Damaged gears	Replace unit
	Faulty bearing	Replace bearing

CHAIN AND SPROCKETS:

Problem	Possible Cause	Suggested Solution
Abnormal wear	Excessive chain tension	Reduce the chain tension
	Misaligned sprockets	Align sprocket faces using a straight edge and tighten set screws
	Chain not lubricated	Lubricate with proper lubricant
	Damaged chain or sprocket	Replace damaged component
	Misaligned chain guard	Adjust as required
Excessive noise	Loose chain	Adjust chain tension
	Chain not lubricated	Lubricate with proper lubricant
	Misaligned sprockets	Align sprocket faces using a straight edge and tighten set screws
Pulsating chain	Improper chain tension	Adjust chain tension
	Overloaded conveyor	Inspect for obstruction causing drag or remove excess load
Broken chain	Seized or sticking end drive or end take-up assembly	Inspect and replace damaged items
	Worn or damaged chain	Replace damaged chain
	Obstruction	Inspect conveyor for obstruction and remove
Sprockets loose on shaft	Loose set screws	Align sprocket faces using a straight edge and tighten set screws
	Worn or damaged key	Replace key and inspect shaft keyway for damage
Chain slack	Normal wear	Adjust chain to proper tension or replace chain

ELECTRICAL

Problem	Possible Cause	Suggested Solution
Motor not operating	Emergency stop activated	Reset pull cord, air pressure switch or pushbuttons
	Blown fuses	If resistance from hot to ground is OK replace fuse
	Overload relay tripped	Reset relay, measure current draw
	Check for wiring problems	Check wiring diagram for correct connections
Unit running wrong direction	3 phase motor wired incorrectly	Check proper voltage wiring diagram
	1 phase motor wired incorrectly	Check proper voltage wiring diagram
	DC motor wired incorrectly	Check proper voltage wiring diagram
Overload relay trips	Check setting on overload relay with full load amperage on motor nameplate	If incorrect, reset overload relay
	Check for mechanical binding or jams	Remove item creating drag load on unit - check belt
	Additional load is too much for motor	Decrease the amount of product load on unit
	Check if motor current draw is high	Drive may require more horsepower-consult factory
Unit operates sporadically	Check photoeyes	Clean lens and check for proper alignment
	Check reflectors	Clean and check for proper alignment
	Limit switches	Check arm location and tightness
	Solenoids	Check pressure at the valve
	Loose connections	Check wire nuts and terminal strip

FLAT WIRE MESH BELT

Problem	Possible Cause	Suggested Solution
Flat wire mesh belt stopped or moving slower than normal.	Wire mesh belt loose and is skipping teeth	Tension belt. Check sprocket alignment, check for worn teeth, replace if necessary
	Belt has pulled apart	Replace the entire belt or cut out damaged portion
	Bearings have failed	Locate and replace bad bearings
	Belt jammed due to obstruction	Check belt path and remove any obstruction
Belt jumping teeth on the sprockets of the end drive or end take-up assembly	Take-up not adjusted properly	Adjust take-up bolts in small increments
	Belt is inhibited as a result of contaminates or residue present	Clean belt or replace unit if necessary
	Load too heavy	Remove as required
Belt runs to one side	Roller or frame not square	Check alignment of end drives, end take-up assemblies, rollers and conveyor beds
	Conveyor not level	Level conveyor bed
	End drive set screws loose or not set correctly	Loosen belt and reposition the end drive, centering it in the frame. Retighten set screws

DO NOT ATTEMPT MAINTENANCE ON ANY CONVEYOR WHILE IT IS IN OPERATION. DISCONNECT ALL POWER WHILE PERFORMING ANY MAINTENANCE FUNCTIONS ENSURING THAT THE MAIN POWER DISCONNECT SWITCH TO THE CONVEYOR IS LOCKED OUT IN ACCORDANCE WITH PROPER WRITTEN LOCKOUT PROCEDURES.

PARTS GUIDE

END DRIVE SHAFT

1-3/16" DIAMETER SHAFT (nominal bed width)	PART NUMBER
12"	WMB-EDS-120
18"	WMB-EDS-180
24"	WMB-EDS-240
30"	WMB-EDS-300
1-7/16" DIAMETER SHAFT (nominal bed width)	PART NUMBER
36"	WMB-EDS-360
42"	WMB-EDS-420
48"	WMB-EDS-480
54"	WMB-EDS-540
60"	WMB-EDS-600

WMB SINGLE TOOTH SPROCKETS

WHEN ORDERING WMB SPROCKETS USE THE FOLLOWING FORMAT
WMB= STANDARD SPECIFICATION CIS= CAST IRON SPROCKET
D=NOMINAL SPROCKET DIAMETER T=NUMBER OF TEETH
K=IDLER OR DRIVE B=BORE

WMB - CIS D x T - K x B

SPECIFY BORE
 LEAVE BLANK FOR IDLER SPROCKETS
 K FOR DRIVE SPROCKETS (KEYWAY)
 NUMBER OF TEETH
 SPROCKET DIAMETER 4"
 6"
 8"
 CAST IRON SPROCKET
 STANDARD SPROCKET SPECIFICATION (WIRE MESH BELT)

END TAKE-UP SHAFT

1-3/16" DIAMETER SHAFT (nominal bed width)	PART NUMBER
12"	WMB-TUS-120
18"	WMB-TUS-180
24"	WMB-TUS-240
30"	WMB-TUS-300
1-7/16" DIAMETER SHAFT (nominal bed width)	PART NUMBER
36"	WMB-TUS-360
42"	WMB-TUS-420
48"	WMB-TUS-480
54"	WMB-TUS-540
60"	WMB-TUS-600

WMB DUAL TOOTH SPROCKETS

WHEN ORDERING WMB SPROCKETS USE THE FOLLOWING FORMAT
WMB= STANDARD SPECIFICATION
DCIS= DUAL TOOTH CAST IRON SPROCKET
D=NOMINAL SPROCKET DIAMETER T=NUMBER OF TEETH
K=IDLER OR DRIVE B=BORE

WMB - DCIS D x T - K x B

SPECIFY BORE
 LEAVE BLANK FOR IDLER SPROCKETS
 K FOR DRIVE SPROCKETS (KEYWAY)
 NUMBER OF TEETH
 SPROCKET DIAMETER 4"
 6"
 8"
 DUAL TOOTH CAST IRON SPROCKET
 STANDARD SPROCKET SPECIFICATION (WIRE MESH BELT)

CARRIER ROLLERS

2.5" DIAMETER x 11 GAUGE (nominal bed width)	PART NUMBER
12"	2511-12
18"	2511-18
24"	2511-24
30"	2511-30
36"	2511-36
42"	2511-42
48"	2511-48
54"	2511-54
60"	2511-60

BELT RETURN ROLLERS (TAPPED AXLE)

2.5" DIAMETER x 11 GAUGE (nominal bed width)	PART NUMBER
12"	2511-121
18"	2511-181
24"	2511-241
30"	2511-301
36"	2511-361
42"	2511-421
48"	2511-481
54"	2511-541
60"	2511-601

SNUBBER ROLLERS

2-1/2" DIAMETER x 11 GAUGE (nominal bed width)	PART NUMBER
12"	2511-120-H
18"	2511-180-H
24"	2511-240-H
30"	2511-300-H
36"	2511-360-H
42"	2511-420-H
48"	2511-480-H
54"	2511-540-H
60"	2511-600-H

BEARINGS

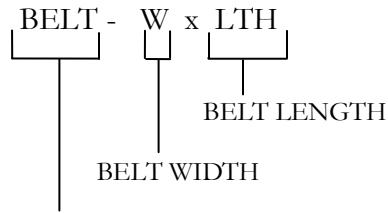
COMPONENT	PART NUMBER
2 Bolt flange bearing 1-3/16" bore	UCFL-206-19
2 Bolt flange bearing 1-7/16" bore	UCFL-207-23

FLAT WIRE MESH BELTING / CONNECTING PIN

TYPE	STANDARD SPECIFICATION
Standard weight	FWB-1/2 x 1/2
Standard weight	FWB-1 x 1
Standard weight	FWB-1/2 x 1
Heavy duty	FWB-1 x 1-HD
Heavy duty	FWB-1/2 x 1-HD
Connecting pin	Identify belt width and specifications
Hex nuts	Identify belt specifications

**WHEN ORDERING FLAT WIRE MESH BELTING USE THE FOLLOWING
FORMAT**

BELT= STANDARD SPECIFICATION W=WIDTH LTH=LENGTH

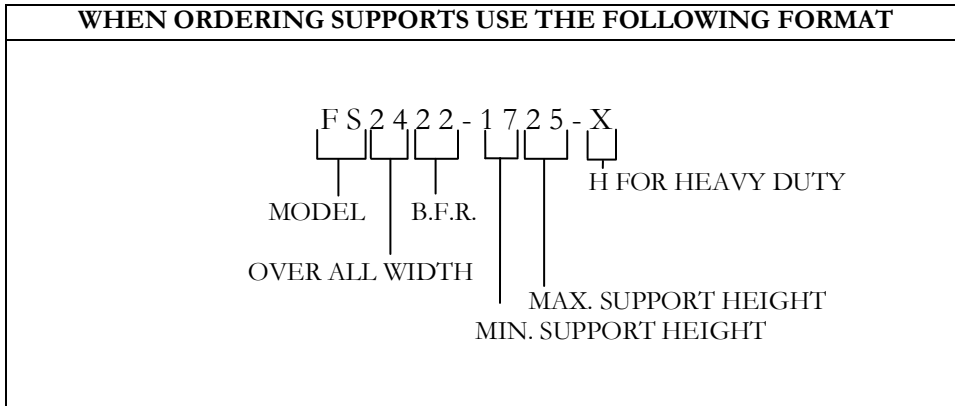


STANDARD FLAT WIRE MESH BELT SPECIFICATION

DRIVE TRAIN COMPONENTS

COMPONENT	PART NUMBER
50B__ sprockets	Refer to order specify number of teeth x bore
RC 50 chain	RC 50 x length
RC 50 connecting link	RC-50-CL
RC 50 offset link	RC-50-OL
60B__ sprockets	Refer to order specify number of teeth x bore
RC 60 chain	RC 60 x length
RC 60 connecting link	RC-60-CL
RC 60 offset link	RC-60-OL

SUPPORTS



TOUCH-UP PAINT

COLOUR	PART NUMBER
Wecon (shop) blue	P-S-BLUE
Ermanco blue (ER-1)	P-E-BLUE-ER-1
Ermanco blue (ER-2)	P-E- BLUE-ER-2
Medium grey	P-M-GREY
Wecon (shop) green	P-S-GREEN
Safety yellow	P-S-YELLOW