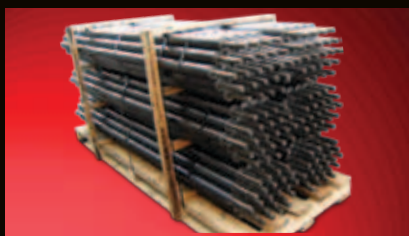


# WESTMILL™

## FIBERBOARD & GYPSUM DRYER

# Parts & Equipment

VERSION 12



WAREHOUSES IN:

Atlanta GA | Eugene OR | Vancouver BC

Toll-free: 1-877-607-7010

[www.westmill.com](http://www.westmill.com)

International Tel: +1-604-607-7010

Fax: +1-604-607-7099



## CONSULTING & ENGINEERING



Serving the panel board industry since 1975, WESTMILL™ has emerged as North America's dryer specialist.

WESTMILL™ specializes in dryer modification projects and has engineered the rebuilding of almost every different style and brand of dryer existing today. Rebuilding dryers provided WESTMILL™ a unique opportunity to analyze current and past dryer designs. This analysis has provided the basis for our superior dryer system designs.

*WESTMILL™ can supply a new Longitudinal dryer, rebuild your existing dryer to 'better than new' condition, or simply help you get more out of your existing dryer system with our On-site Dryer Inspection Services.*



### Consulting, Inspections and Reporting

WESTMILL™ performs on-site dryer inspections. These inspections identify opportunities for production gains and/or energy savings that will ultimately provide an immediate payback on your inspection investment.

#### WESTMILL™ Dryer Inspections will help you:

- Maximize production
- Reduce emissions
- Reduce energy usage
- Increase uptime

#### WESTMILL™ Dryer Profiling provides you:

- Professional and objective insight into your gypsum drying operation and process.
- Comprehensive and objective analysis of your dryer production and energy utilization to management.
- Confidentiality assured.

**CONFIDENTIALITY ASSURED**

## WESTMILL™

### Serving the Panelboard Industry *since 1975*

WESTMILL™ has been manufacturing machinery and parts for the Panelboard Industry for more than 30 years. We provide new, rebuilt and custom-engineered solutions – with guaranteed results.

WESTMILL™ has built a reputation for providing excellent products, timely service and valuable knowledge to our customers.

We maintain a large inventory of products, and we strive to furnish timely and accurate responses to customer requests.

We are strategically located just outside of Vancouver, British Columbia, in Eugene, Oregon and in Atlanta, Georgia.

## SOLUTIONS you can count on.

### DRYER CHAIN

WESTMILL™ offers several sizes of 81X chain:

- 81X chain: Straight side bar, bushed roller chain
- 81X-HD chain: Heavy duty. Straight side bar, bushed roller chain
- 81X-XHD chain: Extra heavy duty. Straight side bar, bushed roller chain
- 81X-KD chain: Kiln duty. Straight side bar, bushed roller chain, for high temperature applications
- Connecting links for all of the above chains



### CHAIN HOLDDOWNS

WESTMILL's chain holddowns are made from rugged cast iron.

	WESTMILL PART NO.	CROSS REFERENCE NO.
	C004	COE 7907 COE 10979 C004
	C01-0047	OEM Replacement
	C018	OEM Replacement
	C019	OEM Replacement
	C015	COE 10875 200-1200
	C021	COE PB028893 COE 10912 200-1190
	C022	COE 10234 COE 3545 200-1210
	C023	COE 025713 COE 9440 COE 10232 200-1170
	C024	COE 105818 COE 10282 200-1160
	C025	COE 10501 200-1150
	C026	200-2211
	C027	AKI #215843



## HANGER BEARINGS & CARTRIDGES

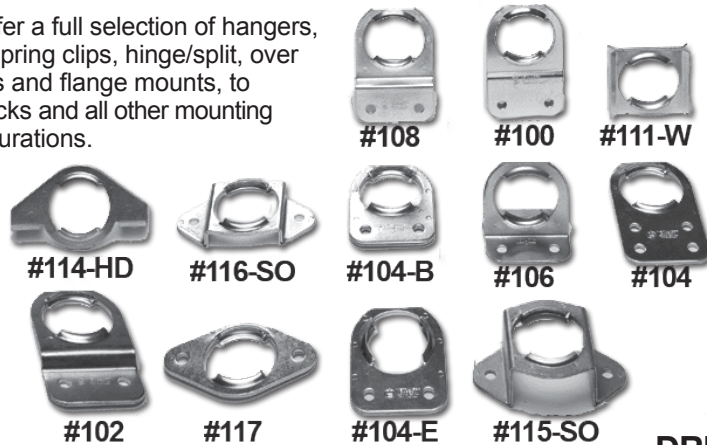
We carry a full line of cartridge bearings from all of the major manufacturers at very competitive pricing.

We offer any grade and temperature rating available. Whether it's a standard cartridge or a hinged split copper impregnated that you require, we can supply you the bearings you need in your dryer.



## BEARING HANGERS

We offer a full selection of hangers, from spring clips, hinge/split, over angles and flange mounts, to clip locks and all other mounting configurations.



## HANGER BEARINGS (ROLLER-BEARING TYPE)

	WESTMILL PART NO.	CROSS REFERENCE NO.
	BU27	C-76113-2SSB
	BU28	C-76116-2SSB
	BU29	SB-206-20
	WM-116C	C-76116-2SSB
	WM-116GP	C-76116-2SSB
	BU30	PC-084028C 14B-1

## DRIVE SPROCKETS (81X)



WESTMILL PART NO.	CROSS REFERENCE NO.	TEETH	HUB STYLE	BORE	KEYWAY	LENGTH THRU BORE	TOOTH WIDTH
SP730	RD-76	8	B	2 3/16"	1/2"	3"	7/8"
SP840	COE	8	C	2 3/16"	5/8"	3"	7/8"
SP225	AKI #S0801	8	C	1 1/4"	3/8"	3"	7/8"

## HOOK TOOTH & REVERSING (81X)

WESTMILL PART NO.	CROSS REFERENCE NO.	TEETH	HUB STYLE	BORE	KEYWAY	LENGTH THRU BORE	TOOTH WIDTH
SP221	COE 8216 Moore RD-77 PB-015261	8	C	1 1/4"	3/8"	2 1/4"	1"
SP214	OEM Replacement	8	B	1 1/4"	3/8"	1.642"	1"
SP215 R	B17162-17 #5824 NW-22R	8	B	1 1/4"	3/8"	1.3"	.5"
SP215 L	B17162-13 #5825 NW-22L	8	B	1 1/4"	3/8"	1.3"	.5"



## IDLER SPROCKETS (81X)



WESTMILL PART NO.	CROSS REFERENCE NO.	TEETH	HUB STYLE	BORE	KEYWAY	LENGTH THRU BORE	TOOTH WIDTH
SB400	RD-175A	8	B	1.775" Ball Bearing	none	3"	7/8"
SZ600	RD-175	8	B	2 3/16" Bronze Bushing	none	3"	7/8"
SZ221	COE	8	C	1 1/4" Bronze Bushing	none	3"	7/8"

## CUSTOM GUDGEONS

WESTMILL's interchangeable bell housing and shaft system allows you to specify any gudgeon you want. They are available with:

- Cast-steel construction
- 1", 1 1/4" and 1 1/2" diameter shafts (custom diameters available)
- C1045 precision shafting
- C1018 cold-finished bar

The interchangeable bell housing and shaft system consists of a shaft, made to your specifications, welded in place in our cast steel bell housing. To complete the roll assembly, the gudgeon is press fit and hydraulically dimpled into the roll tube to keep it locked in position. Our bell housings are designed to fit standard roll tubes with 3" outer diameter x 0.120" wall. We can also assemble the entire gudgeon before shipping.

### Cast Steel Bell Housing

WESTMILL PART NO.	BORE (SHAFT SIZE)
SB300S	1 1/2"
SB301S	1 1/4"
SB302S	1"



Cast Steel Bell Housing

Custom gudgeons can be provided to fulfill your needs.



Double Disc Steel Gudgeon



Cast Steel Gudgeon



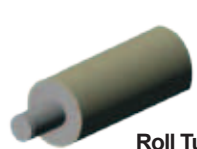
Cast Iron Gudgeon

## ROLL TUBES

WESTMILL™ supplies roll tubes for all dryers, dryer infeeds and outfeeds, and sheet-handling conveyor systems.

We can supply any diameter, wall thickness and length you need. We sell a lot of roll tubes, and we offer quick turnaround on most orders.

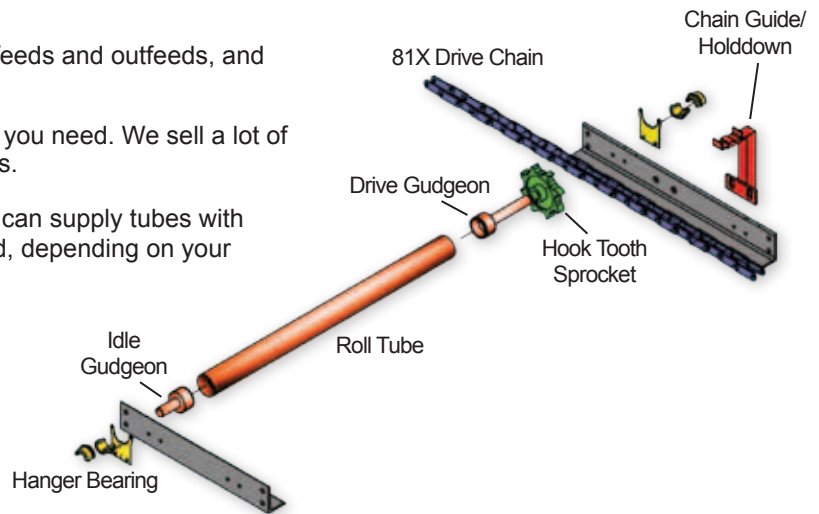
We also supply gudgeons for the roll tube ends. We can supply tubes with the gudgeons inserted (press fit and dimpled, or welded, depending on your preference).



Roll Tube with Gudgeon



Blank Roll Tube



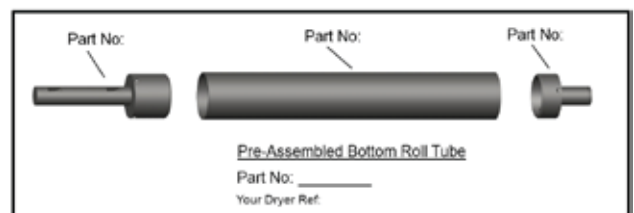
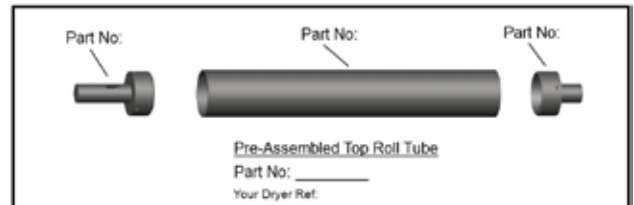
## PRE-ASSEMBLED ROLL TUBES AND GUDGEONS

Avoid misaligned tubes and gudgeons that cause tracking issues and premature drive-side wear by using our pre-assembled roll tubes and gudgeons.

Take advantage of our WESTMILL™ pre-assembled roll tube and gudgeon:

- Eliminate time-consuming assembly.
- Hydraulically press-fit for accuracy.
- Dimple-locked to prevent slippage.
- Assemblies are confirmed straight and true to .0625.
- An economic solution.

Call us for "pre-assembled roll tube and gudgeon" part number.





## DRYER DOORS

WESTMILL™ has been supplying dryer doors to the panel board industry for more than 35 years. WESTMILL™ doors are available in “box” style and “floating-skin” style. Our “floating-skin” style dryer doors are warp resistant and easily installed to your existing dryer. To reduce warping caused by thermal expansion, the skins “float” independently of the door frame itself. The inside door skin has flat bar stiffeners that prevent “oil canning.”

WESTMILL™ doors are available in all sizes for any dryer (including Coe, Moore, Prentice, Raute Wood (Durand-Raute) and Babcock). Our doors will fit your existing OEM hardware and are quickly changed out during a regular maintenance shift.

### Standard features:

- Strong structural steel interior framework
- Robust mountings for door hardware
- Easy installation

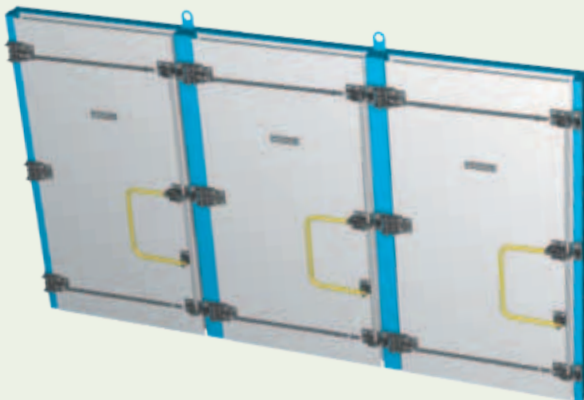
### Options:

- 16-gauge, 304 stainless steel – one or both sides
- Painted mild steel – one or both sides
- Hole patterns to fit any OEM dryer
- WESTMILL's patented articulating door hardware (see page 6)
- Welded nuts to allow you to use a lifting eye to mount the doors

**When these doors are combined with WESTMILL™ articulating door hardware and our Quick-Change Dryer Door Seal System 1-2-3™, the result is the best dryer door system available.**

## QUICK-INSTALL DOOR CARTRIDGE SYSTEMS

*It's a new door on a new door frame – an economical solution that straightens, strengthens and seals your dryer.*



**WESTMILL'S 3-Door Cartridge System (shown). 1 to 4-door units available.**

**Give yourself the edge. Replace leaky dryer doors that are draining your company's profitability with Quick-Install Door Cartridge Systems from WESTMILL™.**

Seal-weld the door cartridge system to your dryer frame. The result is a solid airtight frame for the best door system in the industry.

The air-tight installation on these innovatively-designed door systems will:

- prevent heat loss,
- reduce emissions,
- improve your mill's efficiency, and
- lower your overall operational costs.

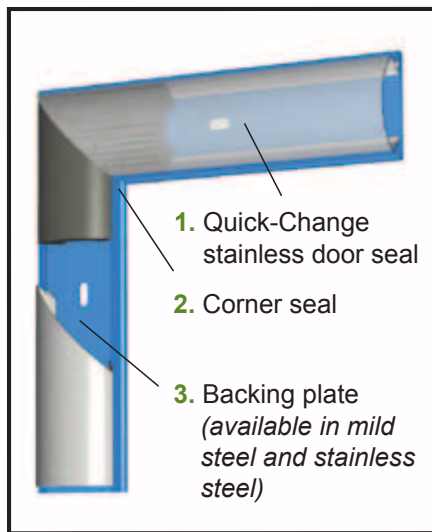
### Easy Installation

WESTMILL's doors, hardware, door seals and frame systems can come completely pre-assembled, allowing for quick, easy and inexpensive installation.

- Doors and hardware are easily adjustable, even with the dryer running.
- New door units are available in a range of widths and sizes.

## Quick-Change Dryer Door Seal **System 1-2-3™**

WESTMILL's Quick-Change Dryer Door Seal **System 1-2-3™** is a cost-effective solution to seal up your dryer. **System 1-2-3™** incorporates a stainless steel "D" profile seal (gray in picture) that quickly and easily attaches to a permanent "backing plate" (blue in picture) that is plug-welded to your dryer door frames.



### A superior and cost-effective solution



**First-time installation:** Same cost as tadpole seals. **Replacement:** Half the cost of tadpole seals.

**Re-install in just 5 minutes.** (Typical tadpole re-install can take 2 hours.) **1-2-3™** is designed for retrofits.



The stainless **1-2-3™** seal can withstand direct exposure to nuisance fires, unlike typical fabric tadpole seals.

High-temperature silicon 90-degree corner seal provides a leak-free corner joint and a perfect fit of the stainless seals.



**First-time installation: 4 easy steps. Repairs and changes in just 5 minutes!**



**1** Mount backing plate (Note: backing plate seldom has to be replaced for future repairs!)



**2** Apply red silicone under backing plate



**3** Insert stainless steel door seals



**4** Install corner seals



**Finished System 1-2-3™**

### 1. Stainless Door Seal

WESTMILL PART #	NAME & LENGTH
WEST-333	78" SS Door seal
WEST-332	96" SS Door seal
WEST-331	120" SS Door seal
WEST-327	144" SS Door seal

### 2. Corner Seal

WESTMILL PART #	HIGH TEMP. CORNER
WEST-326	Silicon corner seal

### 3. Backing Plate

WESTMILL PART #	NAME & LENGTH
WEST-334	72" MS Backing plate*
WEST-330	96" MS Backing plate*
WEST-329	120" MS Backing plate*
WEST-328	144" MS Backing plate*

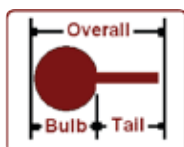
\* Backing plates also available in stainless steel and are cut to length with mitered corners available.

**SS = stainless steel MS = mild steel**

## THE WESTMILL™ TADPOLE-STYLE DOOR SEAL

Tadpole seals are recommended for uneven door surfaces.

- Stainless mesh core conforms to the irregular surfaces.
- Suitable for all dryer temperatures and heat types.
- Made from non-asbestos material.
- Chemical resistant.



**Sold by the foot.**

	"The Original"	"Black Max"	"Gold Kevlar"		"Max Duty"
WESTMILL PART #	WEST-303	WEST-303 B	WEST-303 K	WEST-400	WEST-303 M
BULB DIAMETER	Specify your bulb diameter				
TAIL	1 1/8"	1 1/8"	1 1/8"	5/8" x2	1 1/8"
CORE	SS Mesh (round)	SS Mesh (round)	5/8" SS Mesh (round)	5/8" SS Mesh (round)	SS Mesh (round)
JACKET	Silicon Coating Fiberglass	Teflon Coating Fiberglass	Teflon-coated Kevlar	Teflon-coated Kevlar	SS Interwoven Fiberglass
COLOR	Gray	Black	Golden	Golden	Gray



## Westmill's Patented Articulating Door Hardware (*Patent No. 6,447,807*)

WESTMILL's Patented Articulating Door Hardware is the most functional and easily adjustable door hardware available on the market today, with over 5,000 sets in operation.

Our hardware can be factory installed to the doors before shipment to the site. On-site door mounting is quick and simple with the drop of a hinge-pin. Rather than just rotating about the hinge pin, WESTMILL's articulating hinges cause the door to pull 'straight-away' from the door seal when first opening the door. When closing, our articulating hardware provides a very positive door seal and closure (compared to standard OEM style hardware) while greatly increasing door seal life.

We designed our door hardware castings to be compatible with the mounting hole patterns found on Coe M-62 and M-72 dryers. If your dryer's doors and seals are in good condition, simply adding the WESTMILL™ Door Hardware will give you better door closure and prevent dryer leakage.

WESTMILL's Door Hardware has only one handle, and provides safe, quick and easy opening and closing of the dryer doors without strain.

### Door hardware adjustment made easy

Time-consuming and continual re-shimming of door hardware is no longer necessary to maintain a proper seal. Adjustment for proper closure-pressure and seal contact on the hinge side is accomplished by simply turning the horizontal cross rods to the desired tension, and can be done while the dryer is running. To adjust the latch-side seal pressure, simply tighten or loosen the latch contact bolts.

WESTMILL's hardware is manufactured with slotted mounting holes, especially helpful when fitting new doors or hardware to an existing dryer. Grease fittings on the hinge pins prevent seizing in the harsh dryer environment, and all components are either zinc plated or powder coated for unparalleled corrosion resistance.



Our Patented Articulating Door Hardware has a lifetime guarantee against normal wear and tear.

### Many clients use our door hardware at multiple locations:

CUSTOMER	LOCATIONS
Bessemer Plywood	Bessemer MI
Boise Wood Products	White City OR
CIPA Lumber Co. Ltd.	Delta BC
Coastland Wood Industries Ltd.	Delta BC
Federated Cooperatives Ltd.	Canoe BC
Freres Lumber Co., Inc.	Lyons OR and Mill City OR
Georgia Pacific Wood Products	Emporia VA and Jarratt VA
Hunt Forest Products	Natalbany LA
Louisiana Pacific	Golden BC
Pacific Wood Laminates	Brookings OR
Potlatch Corporation	St. Maries ID
Richmond Plywood	Richmond BC
Roseburg Forest Products	Dillard OR
Savona Specialty Plywood Co. Ltd.	Savona BC
Swanson Group	Glendale OR and Springfield, OR
Timber Products	Grant's Pass OR
Tolko Industries Ltd.	Armstrong BC, Heffley Creek BC and Kelowna BC
Trus Joist Weyerhaeuser	Buckhannon WV, Colbert GA and Delta BC
West Fraser Mills Ltd.	Quesnel BC, Williams Lake BC and Edmonton AB

### FEATURES

- Single-handle design provides safe, quick and easy opening of doors.
- Adjustments for closure pressure are quick and easy.
- Pulls door pull straight out from the seal when door is opened, increasing seal life.
- When closed, provides a very positive door seal and closure.
- Compatible with mounting hole patterns on Coe M-62 and M-72 dryers.
- Slotted mounting holes assist with fitting new doors or hardware to existing dryers.
- Hardware can be factory-installed to doors before shipment.
- Components zinc-plated or powder-coated to resist corrosion.
- Made from cast steel to prevent breakage.
- Guaranteed for life against normal wear and tear.

**ADJUST THE DOORS  
WITH THE DRYER  
OPERATING**

**INCREASES THE  
LIFE SPAN OF  
DOOR SEALS**

**MORE THAN  
5,000 SETS IN  
USE TODAY**



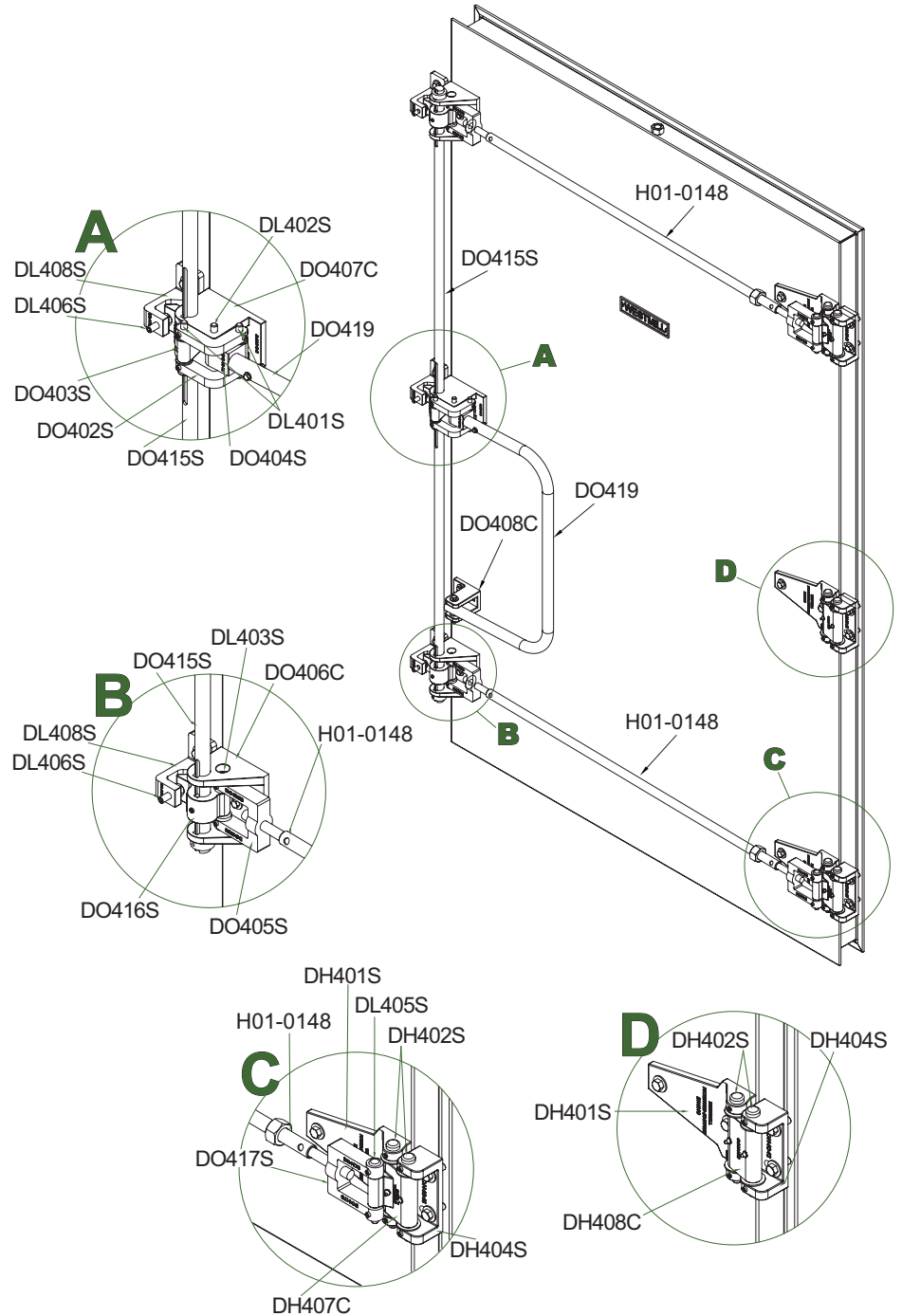
## WESTMILL™ (Cast Steel - after 2003)

	WESTMILL PART NO.	QTY	NAME
	DH401S	3	Hinge Door Plate - Cast Steel
	DH402S	6	Capped Pin 5/8" x 7"
	DH404S	3	Post Mount, 5" Single - Cast Steel
	DH407C	2	Cross Arm Hinge - Cast Steel
	DH408C	1	Center Hinge - Cast Steel
	H01-0148	2	Cross Arm Rod (Specify length or specify width between door posts)
	DL401S	3	Capped Pin 1/2" x 3 1/2"
	DL402S	3	Capped Pin 1/2" x 4 1/2"
	DL403S	2	Pin 1/2" x 4 1/4"
	DL405S	2	Capped Pin 1/2" x 5"
	DL406S	3	Latch Adjustment Bolt
	DL408S	3	Post Mount, Latch, Single - Cast Steel
	DO402S	2	Eccentric Lock Connectors
	DO403S	1	Middle Lock Tab - Cast Steel
	DO404S	1	Upper Handle Link
	DO405S	2	Cross Arm Clevis LH - Cast Steel
	DO406C	2	Cross Arm Latch Base - Cast Steel
	DO407C	1	Center Latch Base - Cast Steel
	DO408C	1	Bottom Handle Base - Cast Steel
	DO415S	1	Vertical Main Shaft (Specify length or specify height of door)
	DO416S	2	Cross Arm Lock Tab - Cast Steel
	DO417S	2	Cross Arm Clevis RH - Cast Steel
	DO419	1	Door Handle



### WHY CAST STEEL?

- ✓ Stronger than cast iron
- ✓ Resists breakage under stress or from accidental contact
- ✓ High precision castings and surfaces
- ✓ Designed and built to last a lifetime



## COE

	WESTMILL PART NO.	CROSS REF. NO.	NAME
	DH101	CP009916 PC090679	Single Hinge Butt
	DH102	CP007914A PC0312820A	Hinge Strap
<b>CUSTOM</b>	DH 205	Moore RD-14B PC-080539	Hinge Block
	DL101	CP009812 PC030058	Cam Roller Block
	DL102		Latch Roller Pin
	DL103		Latch Roller
	DL104	Coe 9810	Latch Shoulder Bolt
	DL105	Coe 9812	Latch Roller Block Assembly
	DL106		Shake-proof Washer
	DO101	CP009915 PB014962-B	Cam Handle, left
	DO102	CP009914 PB014962-A	Cam Handle, right
	DO103		Hinge Pin 1/2" diameter x 4" long

## MOORE

	WESTMILL PART NO.	CROSS REF. NO.	NAME
	DH201	Moore RD-32	Double Hinge Butt
	DH202	Moore RD-36	Single Hinge Butt
	DH203	Moore F-570	Hinge Strap
	DH204	RD-33	Hinge Butt
	DL201	Moore RD-34	Latch Block
	DL202	Moore RD-35	Latch Handle, left
	DL203	Moore RD-35	Latch Handle, right
	DL204	Moore RD-31	Latch Butt Plate, double
	DL205	Moore RD-29	Latch Butt Plate, single
	DL206	Moore RD-35	Latch Hook
	DO201		Hinge Pin 5/8" diameter x 6 1/2" long
	DO202		Hinge Pin 5/8" diameter x 5" long

## PRENTICE

	WESTMILL PART NO.	CROSS REF. NO.	NAME
	DH301	Prentice C-16	Double Hinge Butt
	DH302	Prentice C-15	Single Hinge Butt
	DH303	Prentice C-13	Hinge Strap
	DL301	Prentice C-11	Latch Shoe
	DL302	Prentice C-12	Latch Cam, left
	DL303	Prentice C-12	Latch Cam, right
	DL304	Prentice C-17	Latch Handle Clip
	DL305		Latch Block
	DL306		Latch Bearing
	DO301		Door Handle
	DO302		Hinge Pin 1/2" diameter x 6 1/4" long



## Controls & Automation Services

FROM INTERIM ASSISTANCE TO FULL PROJECT MANAGEMENT, WE'VE GOT YOU COVERED.

**Panelboard  
specialists**

PLC services, programming, instrumentation, integration, electrical design and electrical build services for brands including: Allen Bradley, Seimens, Emerson, FPGA, National Instruments, PAC NI and CompactRIO.

# EXPANSION ROLLER ASSEMBLIES

**WESTMILL™**

## EXPANSION ROLLER ASSEMBLIES

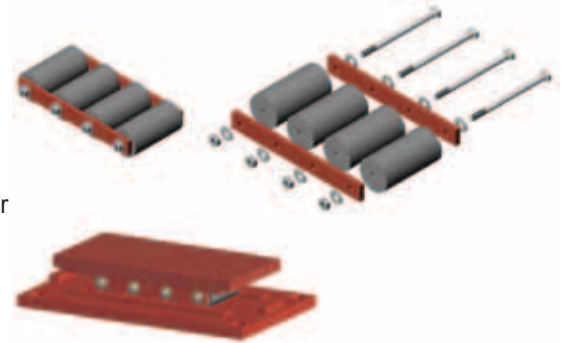
WESTMILL's expansion roller assemblies will keep your dryer tracking straight and in-line. Easily and quickly retrofitted to any dryer, they are self-guiding and require no maintenance.

Our expansion roller assemblies are designed to be as compact as possible. If your current roller assemblies are taller, simply shim the new WESTMILL™ expansion rollers to suit. Field mounting is easy – simply anchor to existing concrete using our optional pre-drilled mounting holes, or weld to existing steel foundation plates.

Our expansion rollers are designed to be directly interchangeable with OEM parts.

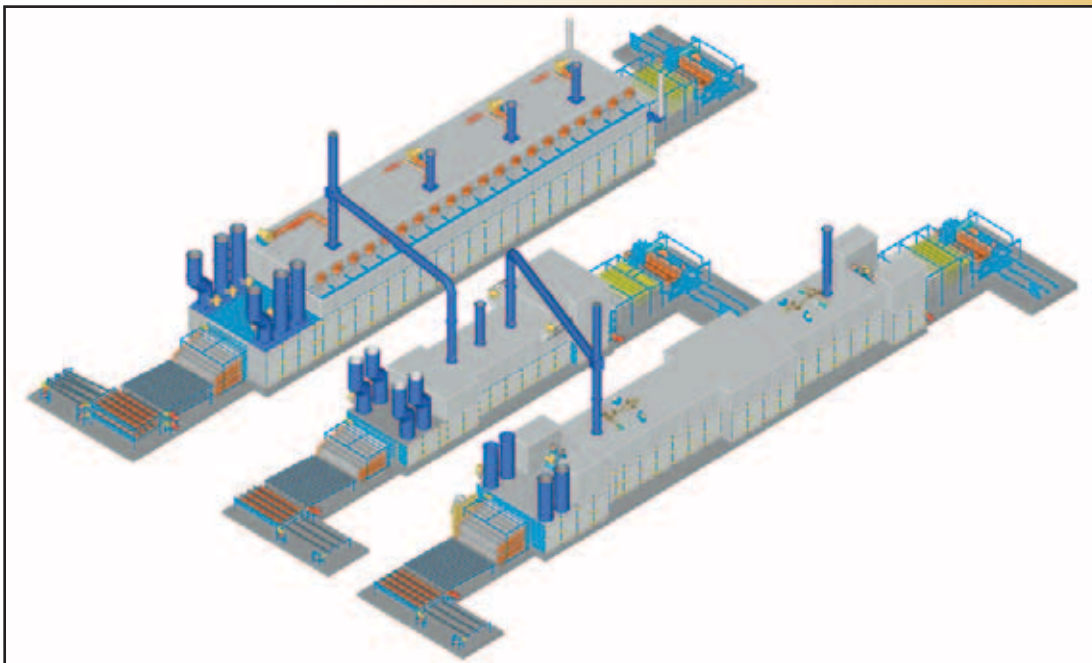
### General specifications:

- Overall height: 2 3/4"
- Top and bottom plates: 5/8"-thick steel plates
- Base plate dimensions: 8" wide by 14" long (along roller axis)
- Roller diameter: 1 1/2" steel



Our pre-assembled cage keeps the rollers straight. The rolls will not fall out of the cage.

## WESTMILL'S GYPSUM REDRYER



Shown: A 6-deck Jet Dryer and a 6-deck Longitudinal Dryer heating a Longitudinal Redryer (middle).

### Increase your plant's production without increasing energy costs with a WESTMILL™ Redryer.

With heating energy costs being the highest cost factor in drying, solutions to reduce the cost of drying per square foot are welcome. WESTMILL's Redryer is heated exclusively by your plant's other dryer(s), yielding the following benefits:

- Your primary dryers can run faster, and with higher allowable moisture content distribution than at present.
- Exhaust from the Redryer can be directed to your pollution abatement device (WESP, RTO, RCO, etc).
- Often, the addition of a Redryer does not require additional environmental permitting by your plant.

WESTMILL's Redryer is available in many configurations. Often, the correct configuration is dictated by the dryers already in your plant.



## DRYER REBUILDS

**AFTER**



**BEFORE**



A WESTMILL™ two-zone dryer remodel at Coastland Wood Industries in Delta, B.C. included a new stainless steel insulated floor, PLC dryer controls, gas burners, fans, motors and VFDs, humidity monitoring and spray system. Installation was completed in only 13 days!

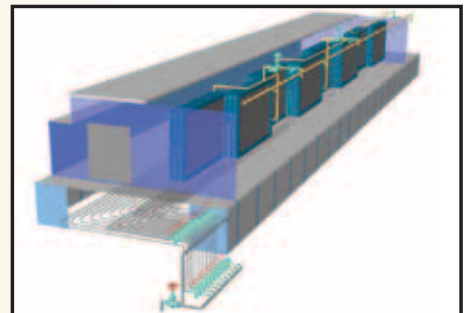
**Why buy a new dryer when WESTMILL™ can RE-NEW and upgrade your existing dryer at a fraction of the price?**

WESTMILL™ offers an economical alternative to purchasing new - it's called a 'WESTMILL™ Rebuild,' and no other company does it like WESTMILL™.

That's because WESTMILL™ is the industry leader in dryer technology, with over three decades of experience in developing innovative new solutions for the panel board manufacturing industry.

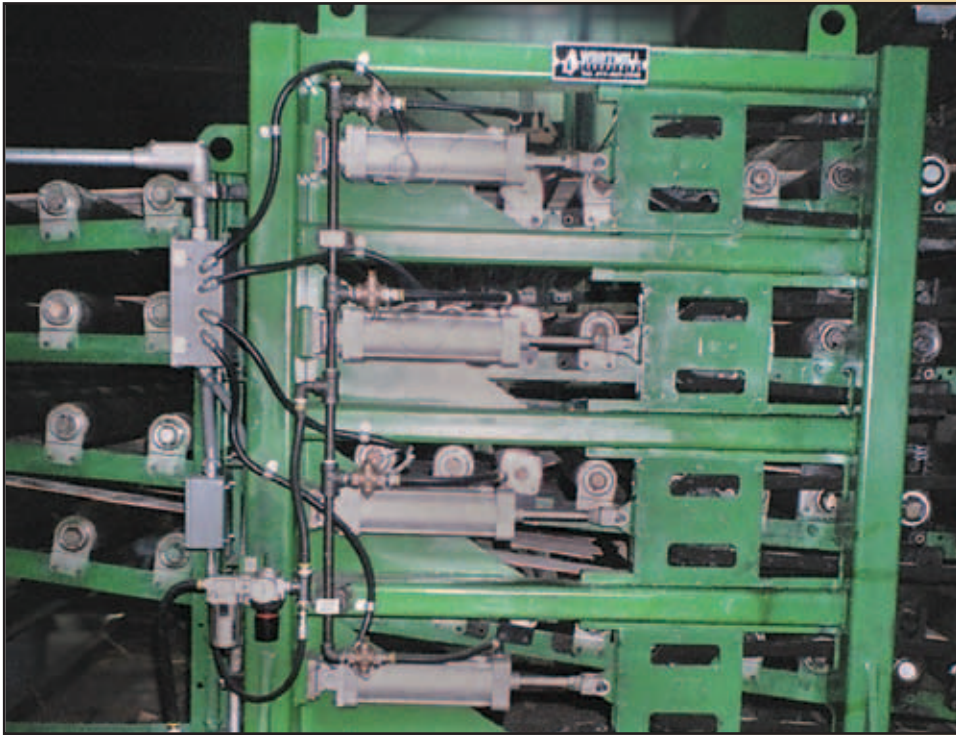


Dryer control panel, exterior (left) and interior (right).



New steam coil supply for rebuilt dryer.

## DRYER PNEUMATIC CHAIN TENSIONER

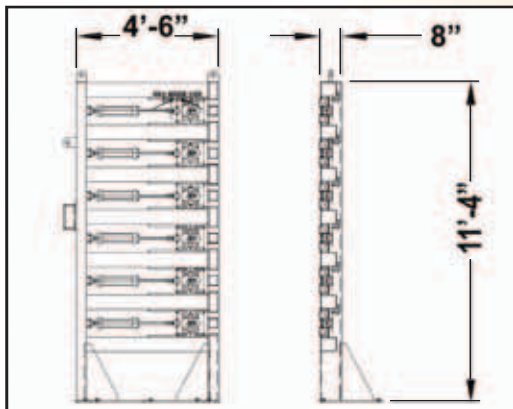


WESTMILL's Dryer Pneumatic Chain Tensioner provides constant tensioning.

WESTMILL's Dryer Pneumatic Chain Tensioner keeps your dryer chains tight and prevents binding. Constant tensioning, along with automatic detection of chain break and jam-up, make our chain tensioner a smart solution.

### WESTMILL's supply includes:

- Heavy-duty steel frame
- Individual slide-mounted, pneumatic cylinder actuated, chain take-up roller shuttles. Bearing mounted, steel 81-X idler sprockets with regreaseable pins.
- Two limit switches OR non-contact, magnetic proximity switches (mounted to each end of the air cylinder tie-rods) per level. Detects chain break (fast cylinder retraction) or chain bind (quick cylinder extension).
- Programming for dryer will go into "automatic shut-down" mode if any dryer chain breaks or jams.
- All pneumatic hoses, fittings and headers, including filter/regulator, gauge, and pneumatic lock out



All electrical devices pre-wired to junction box



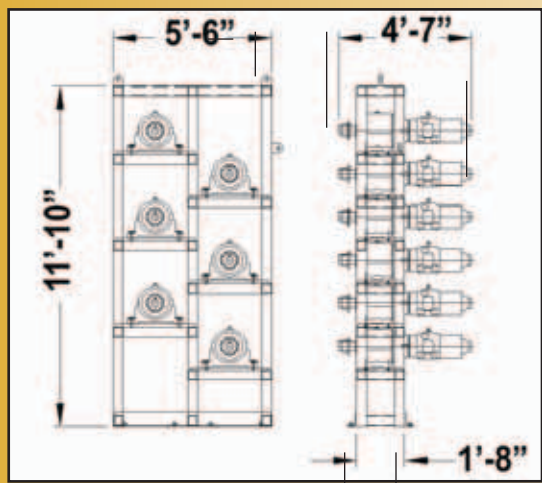
Chain take-up roller shuttles



## DRYER DRIVE TOWER



Our Drive Tower is robust and simple.



Electric motor and gearbox



WESTMILL's Dryer Drive Tower is the dream of any Maintenance Superintendent. Robust and simple, it has no wearing parts. Independent drives also provide increased recovery in the event of a dryer plug-up.

### Simple Yet Strong

The goal is to drive your dryer rolls as easily and simply as possible.

- We use a heavy-wall steel 4" square tube frame.
- We use 1-1/4" thick steel plate drive bases.
- The frame is bolted down via existing concrete anchors, or welded down to steel embeds in your foundation.
- Lifting eyes are supplied for easy field installation, and optional field torque arm turnbuckle installation can be provided.

### Simple Design Yields Less Maintenance Cost

On each level of dryer, WESTMILL™ provides one heavy duty gearbox, AC electric motor, and 81X drive sprocket. Our drive sprocket has the same number of teeth as your existing drive, allowing your dryer program to remain unchanged.

Gone are the high-maintenance designs of meshing gears, or chain drives with multiple jackshafts and a maze of roller chains that keep breaking.

### Recovery During a Dryer Plug-Up

With conventional dryer drives, all decks must move at the same time, or all must remain stopped. On WESTMILL's Drive Tower, each deck's motor comes with its own Variable Frequency Drive (VFD).

In the event of a dryer plug-up, the plugged deck can be stopped, and the other decks can be unloaded, salvaging what might otherwise be a whole dryer's wasted load. After the plug-up is cleared, the plugged deck can be unloaded.

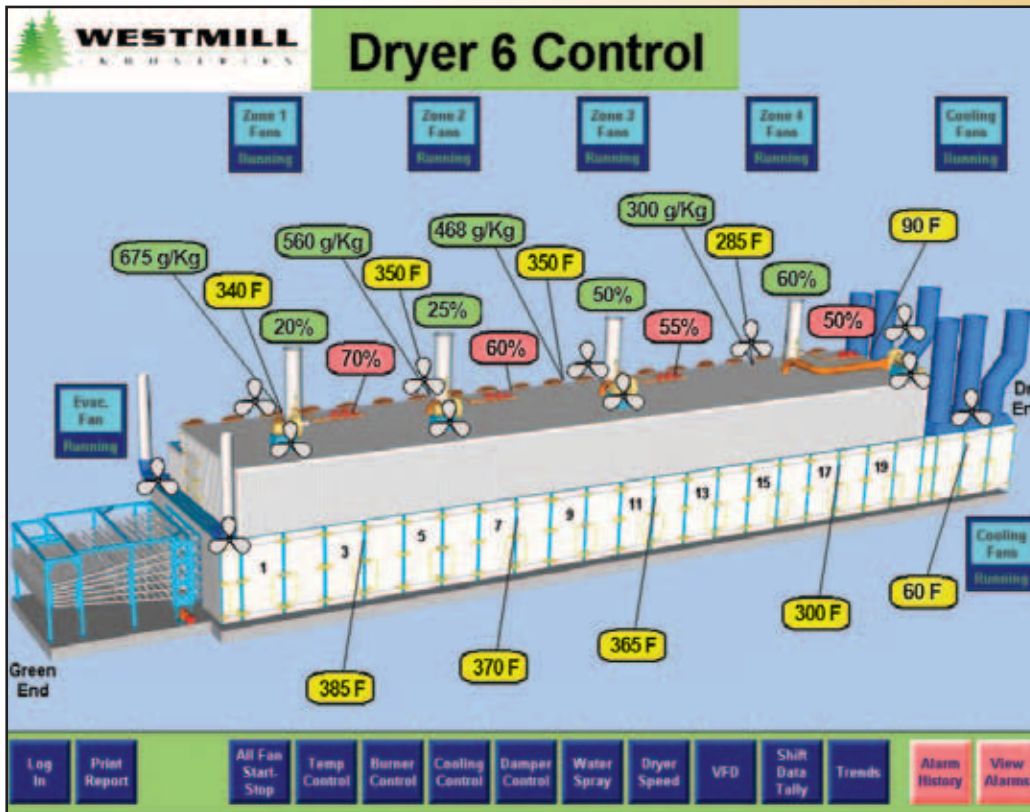
Also, in the event that a single level's drive unit needs service, the individual deck drive unit can be disabled and quickly replaced with minimal downtime. The dryer and feeder program can be temporarily set to bypass the serviced deck.



Gearbox and sprocket, shown with optional chain lubrication brushes



## PLC-BASED DRYER CONTROL SYSTEM



WESTMILL's Dryer Control features include:

- Feeder and Unloader automation
- Open-source PLC-based programming
- VFDs for hot air circulation fans and optimization
- Pre-programmed menu-based Drying "recipes"
- Production Data Display Screens (standard)
- Alarming and 8-hour trend tracking
- Remote access for troubleshooting (optional)
- Components to ensure the latest in technology, speed and versatility

Realize your dryer's full potential with a WESTMILL™ Dryer Control System. Even the latest mechanical technology will not maximize your drying capacity without the latest in dryer control.

With years of experience in automating cutting-edge dryer technology, WESTMILL's engineers have hands-on knowledge of the drying process. We know exactly how to achieve the best results via automated process control.



We replace old dryer controls (above) with our modern PLC cabinet (right)



Left: Variable Frequency Drive (VFD) panel. Above: Inside VFD panel (Emerson Control Techniques drive shown).

# **WESTMILL™**

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