







FROM THE PRESIDENT

I machined my first Star Gear 35 years ago, and over the years we have built a First-Class manufacturing shop. It is important that we produce these products ourselves so we can control the quality, timing and costs. It is equally important that when you contact Northwest Dryer you reach

someone who is knowledgeable about your business, and your machinery. You have relied on us for 4 decades to keep your dryers running, it's a rich history, and we appreciate the responsibility. Northwest Dryer & Machinery specializes in Replacement and Upgrade Parts for Industrial Dryers and other Wood Product Processing Equipment.

We produce, buy, sell and stock parts for Veneer Dryers, Gypsum Dryers and Fiberboard Dryers. Look to us for rapid delivery of the commonly used parts such as 8T Hook Tooth Sprockets, Star Gears, Door Seals, and more.

In our 47,000 square foot, CNC equipped, machine shop we have the capability to fabricate hard-to-find parts quickly and accurately. Northwest Dryer has large item Machining capabilities with a Vertical Mill capable of machining and drilling up to 10' x 32' plates. The Lathes can take up to 4' diameter x 60' long shafts. Our CNC machines are staffed by in-house programmers and experienced machinists to create any custom parts you need to keep your production going.

Our extensive experience makes Northwest Dryer an excellent source of dryer design, maintenance, and upgrades.

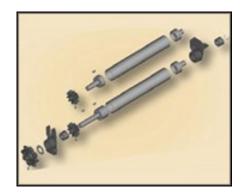
I look forward to working with you-You are always welcome to call or drop by! Here's to the next 40 years!

Scott Wenzel



INDEX

Bearings	Page 4
Hanger Bearings	Page 5
Door Seals	Page 6
Gudgeons	Page 7-9
Dryer Roll Assembly	Page 10
Star Gears	Page 11
Drive Gears	Page 12
Sprockets	Page 13
Bearing Housings (Rabbit Ears)	Page 14
Cooling Section Parts	Page 15
Chain Guides	Page 16
Dryer Doors	Page 17
Door Hardware & Assembly	Page 18-20
Jet Tubes	Page 21
Patcher Dies	Page 22
Plug-Up Detector & Parts	Page 23
Laser Scanners	Page 24
Green End	Page 25
Manufacturing Services	Page 26
Contact Us	Page 27



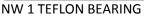


BEARINGS

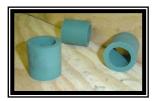


TEFLON	SUPERGLIDE	BEARINGS
NW 1	TEFLON BEARING	1-1/2" ID X 2-1/2" OD X 1-3/4" LG
NW 2	TEFLON BEARING	1-1/4" ID X 2" OD X 2-1/4 " LG
NW 3	TEFLON BEARING	1" ID X 2" OD X 2-1/4 " LG
NW 4	TEFLON BEARING	1" ID X 1-3/4" OD X 2-1/8" LG









NW 2 TEFLON BEARING



NW 3 TEFLON BEARING



NW 4 TEFLON BEARING RAUTE STEPPED





CARBON	SUPERGLIDE	BEARINGS
GB 1	GRAHITE BEARING	1-1/2" ID X 2-1/2" OD X 1-3/4"LG
GCB 1	GRAPHITE COPPER BEARING	1-1/2" ID X 2-1/2" OD X 1-3/4" LG
GB 3	GRAPHITE BEARING	1-1/4" ID X 2-1/2" OD X 1-3/4" LG



GB 1 GRAPHITE BEARING



GB 3 GRAPHITE BEARING



GCB 1 GRAPHITE COPPER BEARING

<u>www.northwestdryer.com</u>

1-866-793-6935



HANGER BEARINGS



HB 1 HANGER BEARING



NW HB106 & NW HB207FF

- 1-1/4" SHAFT WITH FLAT BACK
- 2" CENTER TO CENTER
- THESE ARE GREASED AND SEALED WITH STAINLESS
 BALL BEARINGS



NW 104 HANGER BEARING *WITH OR WITHOUT NYLATRON INSERT

NW 204 HANGER BEARING *WITH OR WITHOUT NYLATRON INSERT



DOOR SEALS

BLACK MAX... OUR BEST!!

OUTLASTS ALL OTHERS!

<u>Hi Temp Fiberglass Fabric</u> Sewn over core of Woven Stainless Steel Mesh, Coated with Teflon to resist tearing! SELLER SELLER



#1



"D" Style Stainless Steel, specify length



"Coe" Style Stainless Steel Bonded to a Galvanized Base for Strength-Won't bend or De-form HOLD DOWN ANGLE 14 GA 3/8" X 3/4" PRE-PUNCHED 5 FT LENGTHS



www.northwestdryer.com



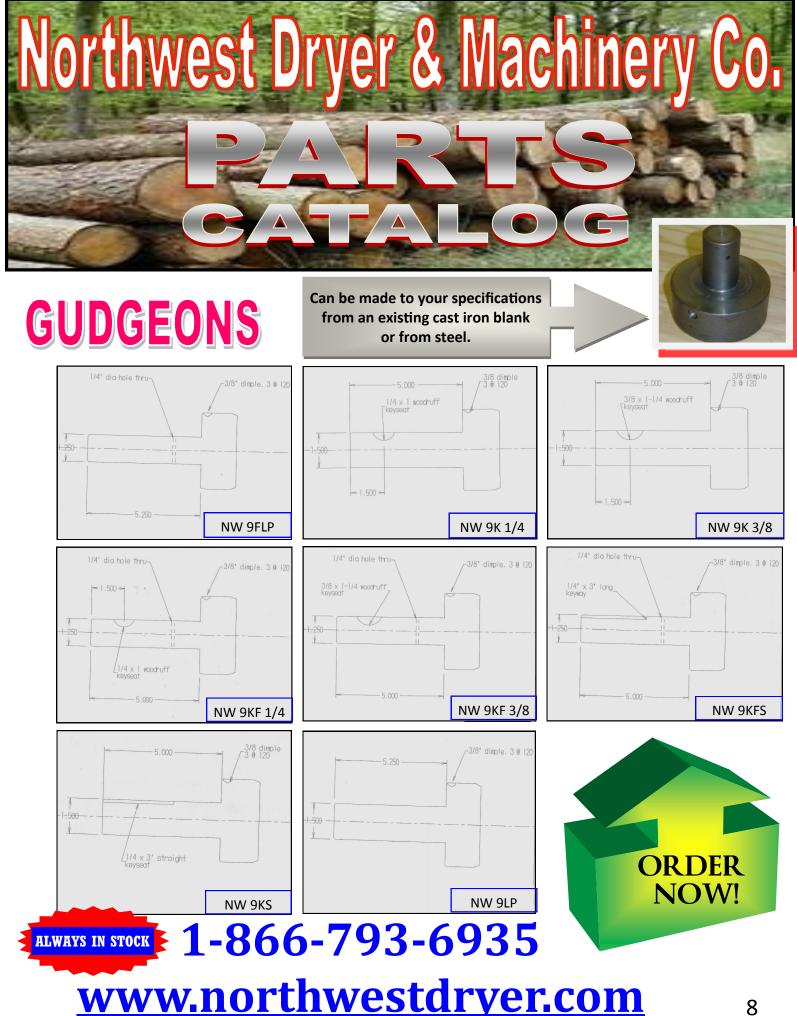
 GUDGEONS
 we can make custom sizes

 1/4' dia hole thru
 _3/8' dimple. 3 @ 120



7

Northwest Dryer & Machiner PARTS



www.northwestdryer.com





DRYER ROLL ASSEMBLY

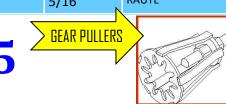
IN STOCK & QUICK LEAD-TIME

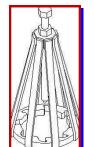
Our standard dryer rolls are 3-3/4" OD x 15" long with a 12 gauge wall thickness. These can be cut to any length and gudgeons can easily be installed at our facility and shipped to you.





I-866-793-6935





NW 19 P	1-1/2"	STANDARD	10	NONE	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 1/4	1-1/2"	STANDARD	10	1/4'	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 3/8	1-1/2"	STANDARD	10	3/;8"	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 MJP	1-1/4"	STANDARD	10	NONE	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 MJ	1-1/4"	STANDARD	10	1/4"	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 MRJ	1″	STANDARD	10	1/4"	2-1/4"	3/8"	COE 8214 & MOORE RD-2
NW 19 CS	1-1/2"	STANDARD	10	3/8"	2-1/4"	3/8"	COE PCO 79387
NW 20 P	1-1/2"	FLAT	10	1/4"	1-1/8"	3/8"	MOORE RD-2S
NW 20 1/4	1-1/2"	FLAT	10	1/4"	1-1/8"	3/8"	MOORE RD-2S
NW 20 3/8	1-1/2"	FLAT	10	3/8"	1-1/8"	3/8"	MOORE RD-2S
NW 20 MJ	1-1/4"	FLAT	10	1/4"	1-1/8"	3/8"	MOORE RD-2S
NW 23 1-1/4	1-1/4"	HUBLESS	10	1/4"	15/16"	3/8"	MOORE RD-130
NW 23 1-1/2	1-1/2"	HUBLESS	10	1/4"	15/16"	3/8"	MOORE RD-130
NW J76C	1-1/2"	STANDARD	10	3/8"	1-7/8"	3/8"	COE M62 & M72
NW 19R	25 ML	STANDARD	12	1/4"	2″	5/16″	RAUTE

KEYWAY



PART #



TEETH

HUB STYLE

BORE SIZE

Northwest Dryer & Machinery



THRU BORE SET SCREW

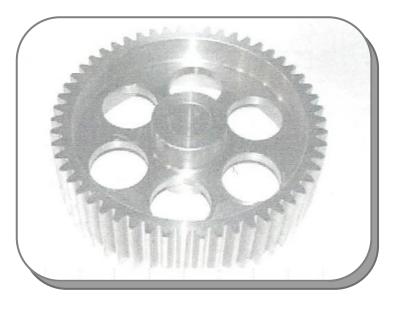


REPLACES



DRIVE GEARS

NW 235	INFEED DRIV		COE C-85872	
GB-11	DRIVE GEAR	54 TOOTH	4 DP	MOORE GB-11
GB-12	DRIVE GEAR	18 TOOTH	4 DP	MOORE GB-12
GB-14	DRIVE GEAR	22 TOOTH	4 DP	MOORE GB-14
GB-19	DRIVE GEAR	28 TOOTH	5 DP	MOORE GB-19
GB-20	DRIVE GEAR	62 TOOTH	5 DP	MOORE GB-20
GB-21	DRIVE GEAR	25 TOOTH	5 DP	MOORE GB-21
GB-22	DRIVE GEAR	75 TOOTH	5 DP	MOORE GB-22
GB-23	DRIVE GEAR	50 TOOTH	5 DP	MOORE GB-22



NW 89630	DRIVE GEAR	20 TOOTH	COE PC89630
NW-88179	DRIVE GEAR	24 TOOTH	COE PC88179
NW-88180	DRIVE GEAR	60 TOOTH	COE PC88180
NW-88187	DRIVE GEAR	52 TOOTH	COE PC 88187
NW-90585	DRIVE GEAR	58 TOOTH	COE PC90585
NW-88190	DRIVE GEAR	84 TOOTH	COE PC88190

WE CAN MAKE ANY GEAR FOR YOUR MACHINERY GIVE US A CALL TODAY!



SPROCKETS

WE CAN CUSTOM MAKE YOUR SPOCKETS!

NW 22-J22C	PART #	BEARING	HUB	BORE	SPROCKET TYPE	TEETH	KEYWAY	THRU BORE	SET SCREW
22-3220	NW 22 1/4"	-	-	1-1/2"	НООК	8	1/4"	2-1/4"	3/8"
- Andrew	NW 22 3/8"	-	-	1-1/2"	НООК	8	3/8"	2-1/4"	3/8"
NW 24	NW 22S	-	-	1"	SPLIT HOOK	8	3/8"	2-1/4	3/8"
2005	NW 22MJ	-	-	1-1/4"	НООК	8	1/4"	2-1/4"	3/8"
	NW 22 MRJ	-	-	1"	НООК	8	1/4"	2-1/4"	3/8"
NW 25	NW J22C	-	-	1-1/4"	НООК	8	1/4" / 3/8"	2-1/4"	3/8"
	NW 24	-	-	1-1/4"	DRIVE	16	1/4"	1"	3/8"
	NW 25	-	-	1-1/2"	НООК	7	1/4" / 3/8"	2-1/4"	3/8"
NW 26	NW 26	-	-	1-1/2"	REVERSING HOOK	8	1/4"	2-1/4"	3/8"
	NW 53	-	-	1-1/4"	DRIVE	15	1/4"	1"	3/8"
NW 53	NW 84	BALL	B	1.775"	IDLER	8	NONE	3"	-
	NW 85	BRONZE	в	2-3/16"	IDLER	8	NONE	3"	-
	NW 86	NONE	в	2-3/16"	DRIVE	8	1/2"	3"	-
NW 84-88	NW 87	NONE	c	2-3/16"	DRIVE	8	5/8"	3"	-
	NW 88	BRONZE	С	1-1/4"	IDLER	8	-	-	-







COOLING SECTION PARTS

THE YOKES IN THE RABBIT EARS ARE BUILT-UP TO TAKE THE LARGER ROLL DIAMETER



NW J73 CS BEARING HOUSING



NW 19 CS STAR GEAR

THE STAR GEARS HAVE LONGER TEETH THAN THE REGULARS!







NW 21 CS BEARING HOUSING

NW 61 CS BEARING HOUSING



NW J68 CS BEARING HOUSING



CHAIN GUIDES

REINFORCED BACK ALLOWS **REPLACEMENT WITHOUT BREAKING CHAIN.**





NW 31 CHAIN GUIDE LONG











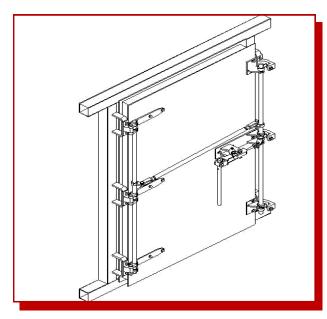
NW 18 CHAIN RETURN SHOE



DRYER DOORS

We designed Dryer Doors with a "Floating Skin" to replace worn-out doors. We use special seam to fold the sheet metal skin over a Heavy Duty frame, this allows the skin to expand and contract freely– instead of pulling and warping over time.

Combined with our "Lift-Off Latch System" these doors will pay for themselves in energy savings and reduced pitch buildup at leaky seams.





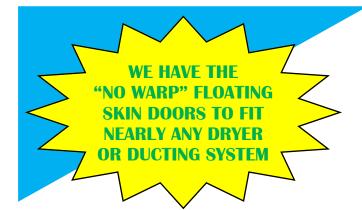
LIFT-OFF DOOR LATCH SYSTEM

OUR ONE-HAND DOOR HINGE/LATCH SYSTEM IS PRECISION MACHINED FROM HI-TENSILE STRENGTH STEEL. ALL PIECES ARE LASER-CUT AND PRECISION BORED FOR A PERFECT FIT AND LONG LIFE! OUR DOORS SEAL, AND STAY SEALED!

Our system LIFTS the door off the doorposts Before it swings open, Saving your door seal. Then it closes on both sides of the door-Sealing tightly ALL-AROUND.



DOOR HARDWARE



INSIDE SKIN IS:

12 GA MILD STEEL OR 16 GA STAINLESS STEEL

STAINLESS BOOT (OPTIONAL) FLOATING INSIDE SKIN PREVENTS WARPED DOORS.

OUTSIDE SKIN IS:

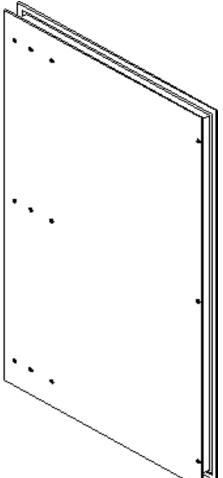
14 GA MILD STEEL OR 16 GA STAINLESS STEEL

ALL DOORS AVAILABLE IN:

3" OR 5" THICKNESS AND ARE INSULATED WITH 8 POUND DENSITY ROCKWOOL BOARD

1-866-793-6935

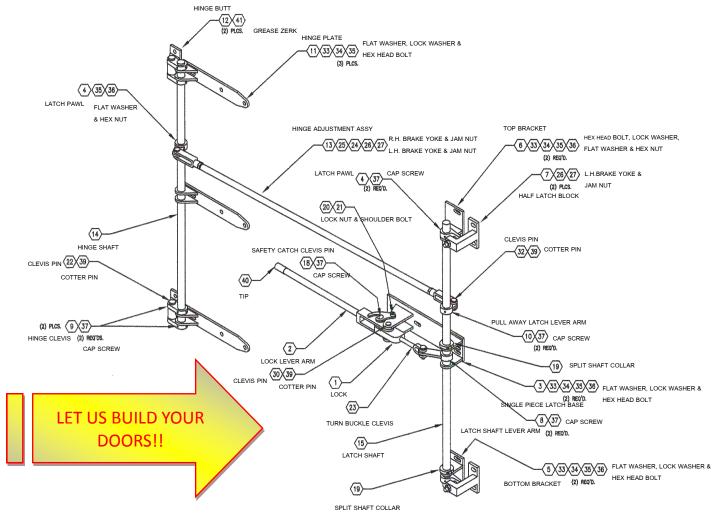
www.northwestdryer.com





DOOR HARDWARE

HE ONLY LATCH SYSTEM THAT WORKS WITH TADPOLE TYPE DOOR SEAL THIS SYSTEM OPENS THE HINGE SIDE AS WELL AS THE LATCH SIDE, GREATLY IMPROVES THE LIFE OF THE DOOR!





MOORE

DOOR HARDWARE



NW 46 SHAKE-

NW 45 CAM

ROLLER ASS'Y

ASS'Y INCLUDES

NW 45, NW 51P

& NW 51R

PROOF WASHER



NW 38 HINGE STRAP

NW 51 CAM

HANDLE BOLT

NW 45 CAM

NW 51P LATCH

ROLLER PIN

NW 51R LATCH

NW 16P HINGE PIN

ROLLER

ROLLER BLOCK





NW 34 DBL

HINGE BUTT

NW 36 HINGE STRAP

NW 40 LATCH

HANDLE (L&R)

NW 41 SINGLE &

DBL LATCH

BUTT PLATE



NW 35 SINGLE

NW 39 LATCH BLOCK

NW 42

LATCH



NW 10 DOOR

LATCH SHOE

NW 14 SINGLE & DBL HINGE



LATCH BLOCK



NW 48 DOOR



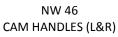




PRENTICE



NW 49 DOOR LATCH BEARING



<u>www.northwestdryer.com</u>

1-866-793-6935



NW 11 DOOR

LATCH CAM (L&R)





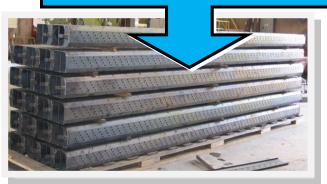
JET TUBES



OUR "2-PIECE" CONSTRUCTION MAKES A STRONGER TUBE TO LAST LONGER, AND IT LETS THE HALVES EXPAND AND CON-TRACT WITH HEAT LOADS TO RESIST WARPING...THEY LAST LONGER

BELOW, THIS BATCH OF RAUTE JET TUBES HAS A SPECIAL DIMPLED ORIFICE INSTEAD OF THE STANDARD RAUTE "GROMMET-STYLE" HOLE, TO INCREASE AIRFLOW & SPEED DRYING





16 GA SIDEWALL & 10 GA FACEPLATE

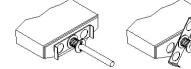
ANTI-PLUG

THE BEVELED LEADING EDGES (PROVIDE THE GREATEST OPENING FOR APPROACHING VENEER

CLEANOUT ENDS

JUST ROTATING THE CLOSURE PLATE AS SHOWN ALLOWS YOU TO EASILY CLEAN THE TUBES FROM THE SMALL END. PREVENTS PLUG-UPS

STRONGER & Last Longer



THIS PARTICULAR HANGER SYSTEM WORKS WITH COE M-72 OR MOORE M-62 DRYERS



www.northwestdryer.com

www.northwestdryer.com

	PD 1 INSULATOR BRACKET \bigstar *WE ALSO MANUFACTURE & STOCK THE COMPLETE LINE OF INSULATOR BRACKETS	PD 1026 NUT PD 1090 KS-90 BURNDY CONNECTOR
1	PD 1005 TEFLON TUBING 5" PC 🕁	PD 1030 K3-30 BORNDT CONNECTOR O PD 1716 1/2" WASHER
	PD 1006 SPRING	PD 9632 SPRING WASHER 🖈
2	PD 1007 WIRE CLIP	PUD CONTROL PANEL
	PD 1008 1/2" NUT	PDMB-1 PUD MOTHER BOARD
\bigcirc	PD 1012 #14 WIRE (PER FOOT) 🛛 🕁	PDLB-1 PUD LED BOARD
\bigcirc	PD 1015 #15 G SS WIRE (PER FOOT)	a super super super super a
	PD 1022 WIRE INSULATOR	
	PD 1024-2 2" BOLT	REPLACEMENT PARTS
	PD 1025 3-1/2" BOLT	Figure OR

PLUG-UP DETECTOR & PARTS

NEW SOLID STATE DESIGN REPLACES TIMING RELAYS FOR MORE RELIABLE, FASTER, AND A ACCURATE DETECTION OF PLUGUPS.

PLUG-UP DETECTOR

THE NORTHWEST DRYER PLUG-UP DETECTOR SYSTEM HAS BEEN THE STANDARD OF THE INDUSTRY FO OVER THIRTY YEARS. OVER 350 SYSTEMS HAVE BEEN INSTALLED AND MAINTAINED, EACH ONE DELIVERING VALUE THROUGH INCREASED DRYER PRODUCTIVITY & THROUGHPUT.



HOTTEST

ITEMS







GREEN END



LATHE & CHARGERS

WE CAN HELP WITH ALL YOUR GREEN-END MACHINERY NEEDS!!

- ALL PARTS IN STOCK
- REFURBISHING
- BALL-SCREW CONVERSIONS
- UPGRADES







MANUFACTURING SERVICES

NORTHWEST DRYER & MACHINERY

HAS A 50,000 SQ FT CNC EQUIPPED MACHINE SHOP DEDICATED TO YOUR MACHINING AND FABRICATION NEEDS



Is located in the heart of the Pacific Northwest in Tualatin, just South of Portland, Oregon, known as the Silicon Forest.

WE SPECIALIZE IN REPLACEMENT AND UPGRADED PARTS FOR INDUSTRIAL DRYERS AND OTHER WOOD PRODUCTS PROCESSING EQUIPMENT. VENEER DRYERS, GYPSUM DRYERS, & FIBERBOARD DRYERS

CAPABILITIES



MOST STOCK ITEMS

RAPID PROTOTYPING TO PRODUCTION MACHINING

- CNC MACHINING & TURNING
- MANUAL MACHINING & TURNING
- GRINDING
- WELDING
- EDM-SINKER-WIRE
- HIGH PERFORMANCE-HIGH SPEED MACHINING
- VALUE ADDED ASSEMBLIES

1-866-793-6935



<u>www.northwestdryer.com</u>



CONTACT US

CALL OR EMAIL **US TODAY!!**

Northwest Dryer & Machinery Co.

9625 SW Tualatin - Sherwood Rd. Tualatin, OR 97062

TOLL FREE: 1 (866) 793-6935 1 (503) 691-9091 1 (503) 885-8481

MAIN LINE:

FAX:

EMAIL : scottg@northwestdryer.com

