



TWIN DISC®



NO ONE MAKES POWER
MORE PRODUCTIVE

TWINDISC.COM

4.871

8.50

8.50

SINCE 1918

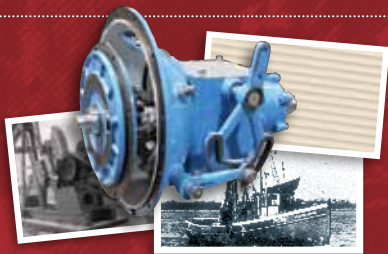
Twin Disc has been inventing, engineering and manufacturing products and technologies to make power more productive in machines, boats and off-highway vehicles. This puts unparalleled application experience into every Twin Disc product.



1918

TYPE "A" FARM CLUTCHES

Revolutionized tractor clutches & became standard in agricultural machinery



1920s

MARINE TRANSMISSION (PROTOTYPE), E-TYPE FLYWHEEL CLUTCH & SP211 PTO



1930s

TYPE "P" PNEUMATIC (AIR) CLUTCH & THREE-STAGE TORQUE CONVERTER



WWII

MACHINE TOOL CLUTCH & MARINE GEAR

Received the Army-Navy "E" Award for production and performance of its machine tool clutches



1950s

HYDRAULIC MARINE TRANSMISSION

Full power in both forward or reverse



1960s

2000 SERIES POWER-SHIFT TRANSMISSION

The TD51-2000 contained 32 Twin Disc patented product advancements



80s - 90s

POWER-SHIFT TRANSMISSION, SINGLE-STAGE TORQUE CONVERTER, ARNESON SURFACE DRIVE & CONTROLS



NOW

COMPLETE POWER TRANSMISSION SYSTEMS

An entire array of products working together or individually

WHEN YOU SPECIFY TWIN DISC, YOU'VE GOT HISTORY ON YOUR SIDE



OUR HISTORY BENEFITS YOUR FUTURE

WHEN WE SAY WE'VE BEEN THERE, DONE THAT, WE MEAN IT.

The family tree of our products and markets is extensive and robust. We've listened to customers in critical markets and rugged applications for over a century and all over the world. We've developed power transmission products that meet real world needs, exceed

operating requirements, improve productivity and offer a service life that enhances equipment value. Our power transmission products and systems are precision manufactured, time proven and field tested to provide you with optimal performance, reliability and cost effectiveness.

A WORLD OF EXPERIENCE

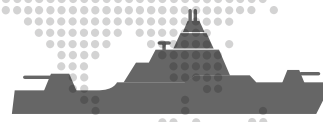
There's not a market we are in that doesn't impact your world daily.



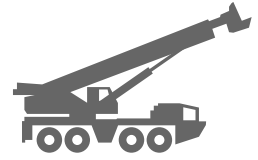
WORK BOAT



PLEASURE CRAFT



MILITARY/DEFENSE



CONSTRUCTION



AGRICULTURE



LOGGING



MACHINE TOOL



MINING



RECYCLING



MATERIAL HANDLING



ENERGY



RAIL



A.R.F.F.

FIT AND FINISH

Precision manufacturing is the foundation of Twin Disc quality. We start with the finest raw materials, apply the most advanced metallurgy, "make chips" to exacting specifications to form shafts and gears, then meticulously assemble all components to achieve the most precise tolerances and working relationships between them.

The smooth, precise way Twin Disc gears mesh symbolizes the performance and durability of our products.



A SYSTEM'S APPROACH

Twin Disc has evolved from supplying a single or just a few power transmission components in a drivetrain to providing multiple components and sophisticated controls to manage power output. Because of our broad and diverse product lines, we can package a tailor-made solution to virtually any customer's specific application requirements.

OUR FAMILY OF SYNERGISTIC PRODUCTS

We offer an extensive range of products from which you can tailor a power transmission solution that will make your application work better, faster, longer.

MARINE

MARINE TRANSMISSIONS



SURFACE DRIVES

PROPULSION SYSTEMS



ELECTRONIC CONTROLS



REAR ENGINE POWER TAKE-OFFS



PROPELLERS

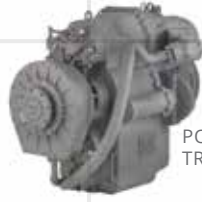


MARINE CONTROL DRIVES



LAND-BASED

POWER-SHIFT TRANSMISSIONS



PUMP DRIVES



ELECTRONIC CONTROLS



TORQUE CONVERTERS



HYDRAULIC POWER TAKE-OFFS



CLUTCHES



AWD TRANSMISSIONS



PNEUMATICALLY ACTUATED CLUTCHES



INTEGRATED CONTROL SYSTEMS



REDUCTION GEARS



TRANSMISSION & TORQUE CONVERTER SYSTEMS



DRY CLUTCH POWER TAKE-OFFS



1525 mm(60.4")



CONSULTING ENGINEERS

Our engineering support will save you time, money and frustration in finding the right product with the precise specifications for your specific application. All the more valuable if you're wanting to package an integrated system of power transmission products and controls. You tell us the piece of equipment you're buying new, repowering or refitting, and we'll help you select the right powertrain components to optimize the performance, reliability and operator appreciation of your machine.



WE'VE GOT YOUR BACK

Whether you invest in a single Twin Disc product or a complete system of products, you're trusting us to optimize your business, wherever and under what conditions your end product operates.

Our global distribution network and sales and services dealers will provide responsive product support and engineering counsel to get you and your customers back in business fast. Wherever you operate, we are there when you need us.



WE'VE GOT WHAT YOU WANT

Twin Disc offers you the right products or system of products, more than a century of diverse and successful application experience, responsive engineering collaboration, and worldwide product support.

Enhance the life-cycle value of your equipment and your business. Tell us about your application and discover how we can make the most of it.

For engineering consultation and sales assistance, visit our online Distributor Directory at twindisc.com for the Twin Disc Distributor nearest you.

USA • AUSTRALIA • BELGIUM • CHINA • INDIA • ITALY • JAPAN • NETHERLANDS • SINGAPORE • SWITZERLAND



**WE PUT HORSEPOWER
TO WORK®**

THE TWIN DISC FAMILY OF PRODUCTS



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