HALLENGE WIND

mill-Parts.com

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Lowest cost farm power that brings big returns with liberal water supply for comfort and better living—for healthier and more profitable livestock. Since 1870 Challenge windmills have been a landmark of sound farm management. Using free wind power they provide water for farm and ranch with more economy than any other pumping power. Their sturdy construction assures a lifetime of service. They are the greatest time, labor, and money saver a

farm can have, an investment that Parts.com will never regret.

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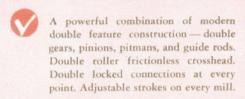
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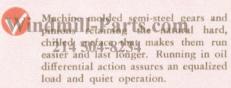
CHECK THESE 10 Outstanding FEATURES!



Perfect balance has made Challenge known as "the windmill that pumps when many others are standing still."

It makes use of the lightest breeze to pump more wind mill-Parts.com

A thoroughly galvanized with slats, sections, and arms formed and placed to develop and control the wind for greatest pumping efficiency. Special steel slats have 50-75% more resistance to vibration plus strength adding "beads." One piece heavy arms with extra wide base spread and with bridge-like truss reinforcements.



Positive gravity, splash and elevator oiling system that cannot fail. Absolutely fool-proof, "once a year lubrication." No oil pumps to clog or get out of order. Weather-proof metal cover protects all working parts against rain, snow or dust.

Automatic multiplying spring governor protects mill in the strongest winds and allows it to do a maximum of work in ordinary winds. Challenge is known as "the perfectly governed windmill."

All castings made of tough semi-steel.

Many of them are chilled for long wear. Guide rods and rollers are case hardened. Wheel shafts of material

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originated for automobile propeller shafts and average 35% stronger than ordinary cold rolled shafting.

Sensitive turntable with grease packed bearings turning in hardened raceways supports the motor load and faces the wheel into the lightest breeze. Tower cap selection makes it easy to place Challenge mills on any make or type of tower. No stub attachments needed.

Timken bearings available on all sizes,
These nationally known bearings have
all Scotton with frictionless
504-823 peration in every type of high grade
machine from automobiles to railroad
cars. They permit pumping in light
winds and require little attention.

Bronze bearings are optional at lower cost on some sizes. They are highly efficient and will not crack or break if lubrication is neglected because by a patented process they contain 25-35% oil reserve.

A MILL THAT RUNS TN THE LIGHTEST BREEZE!

