



**WOODEX**<sup>®</sup>  
BEARING COMPANY, INC.

An Employee Owned Company

## HYDRO TURBINE BEARINGS

**W**oodex manufactures a complete line of wet-running thrust and guide bearings in a variety of materials for hydro power turbines.

In most wet applications, there is no substitute for longtime industry-standard lignum vitae wood. Promising service life of up to 60 years or more, “lig” has no serious competition, even from the most modern synthetic materials. Woodex is thoroughly familiar with the art of working this material, and furnishes only select quality wood, precisely machined and carefully sealed in paraffin wax to minimize dimensional changes due to atmospheric conditions.



*Lignum Vitae thrust bearing.*



In the occasional case where over-speed conditions cause bearings to run dry, Woodex offers its trademarked wax-impregnated maple material. Although with shorter wet-running life than lig, Woodex<sup>®</sup> carries sufficient oil load to tolerate long periods of dry-running that lig can't survive.

A leader in wood bearing technology for over 100 years, Woodex has the design savvy and manufacturing expertise to serve your most demanding bearing needs.

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



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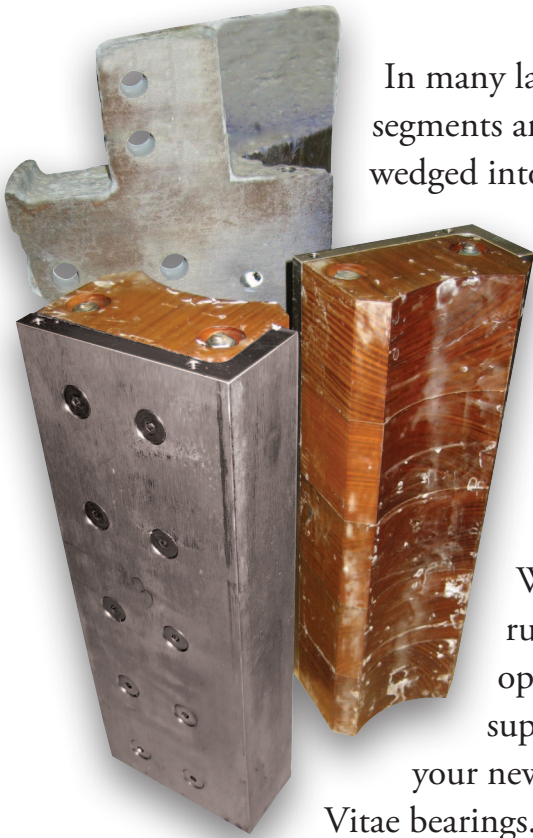
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**S**egmented wood guide or quarter block bearings are typically fabricated as a bolt-up assembly, but glue-laminated maple bearings are also available.



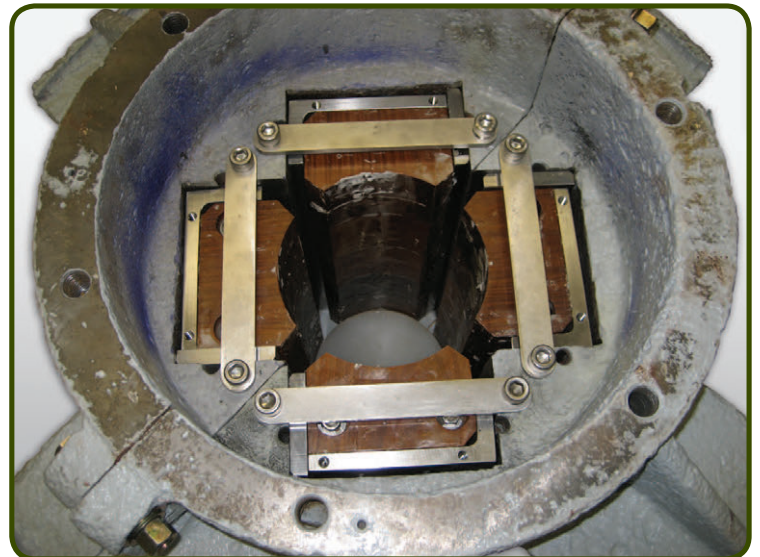
In many larger turbines, stave segments are mechanically wedged into retaining slots.



Our design team uses your original equipment drawings, existing bearings, measured dimensions and your shaft speed and load information to produce reliable yet economical bearings, tailor-made for your machinery.

Woodex can rehabilitate old, worn bearing castings with rugged, stainless steel bearing carriers and wear shoes, to provide optimum support for your new, Lignum Vitae bearings.

Woodex hydro bearings are custom designed to best suit your application.



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