

Resources – Introduction to Drag, Propellers & Waterjets for Design Module

Drag Coefficient on Spheres and Cylinders

Drag coefficient for blunt bodies, and relationship with Reynolds Number.

http://www.princeton.edu/~asmits/Bicycle_web/blunt.html

<http://www.grc.nasa.gov/WWW/K-12/airplane/shaped.html>

Propellers

Key text on simple design methods for propellers.

Gerr D. Propeller Handbook. Int'l Marine Publishing, 1989.
(especially Chapter 6)

Simple & practical about props & testing

<http://www.boatfix.com/how/props.html>

Comprehensive description of Propeller geometry, manufacture and specification

http://www.manbw.com/files/news/files_of1815/Hydrod%20propellers.pdf

USN presentation on propeller basics

http://www.usna.edu/NAOE/courses/en200/hornyak_slides/Ch%209/propellers.ppt#3

Useful practical insight into matching hull to prop to engine.

Two-Speed Gears. Schleicher DM, Bowles JB. Professional Boatbuilder
Dec/Jan 03, pp76-87. (in library)

Schottel – major manufacturer of prop systems

<http://www.schottel.com/>

Waterjets v Propellers

<http://www.geocities.com/argo31jet/Html/waterjet/wjvsprop.htm>

Waterjets v Propellers (CAMARC Ltd)

<http://www.camarc.com/waterjets%20vs%20propellers.pdf>

Cavitation on foils – pictures

<http://cavity.ce.utexas.edu/kinnas/cavphotos.html>

Waterjets

Paper on Universal Waterjet Model

http://www.ds-t.com/press_conferences-cd/articles/universal_waterjet.pdf

Waterjet Advantages

<http://www.doen.com/waterjet.html>

Hamilton Waterjet Company

<http://www.hamjet.co.nz/>

Waterjet Videos

<http://www.geocities.com/argo31jet/Html/videos.htm>