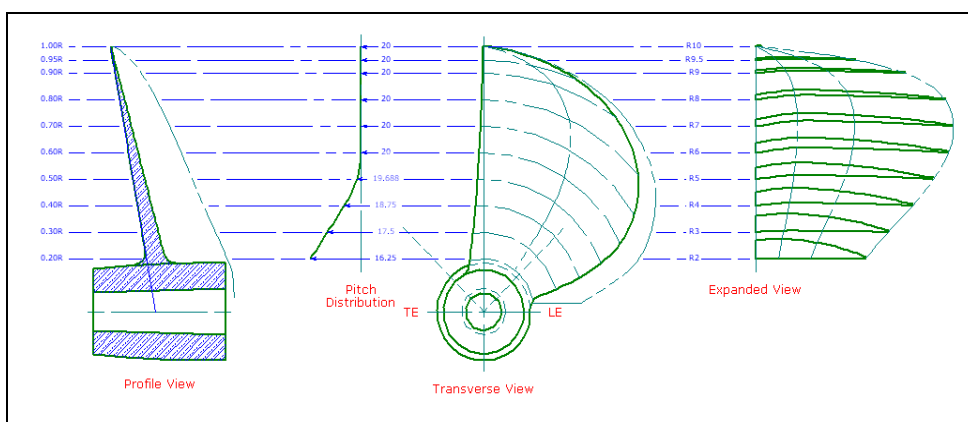


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New High-performance Geometries With PropCad 2006

PropCad is software for the geometric modeling of marine propellers. It provides tools for the automatic preparation of 2D design drawings, 3D views, construction data, calculation of geometric properties, and CAD/CAM file export.

Super-cavitating or surface-piercing applications, such as for race boats, require certain geometries in order to gain the best performance. PropCad 2006 caters to such requirements with the addition of wedge sections to its library. A clever skew distribution has also been added to aid in the preparation of high performance propellers.



2D CAD view of surface-piercing blade developed in PropCad 2006

PropCad 2006 is now able to communicate with propeller design codes, such as from SVA Potsdam and PPB from HSVA.

Some exciting additions are also under development for 2006:

- Improved control – custom designs will benefit from a smoothing feature used when editing XY section data
- Camber/thickness – a camber-based presentation of data for those starting designs from a CFD analysis
- Calculation of axial entrained inertia

HydroComp, Inc. provides software products and consultancy services for the performance analysis and design of marine vehicles to industry, research and government clients. Currently more than 500 marine professionals in over 45 countries are using *HydroComp* award-winning marine propulsion software.

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