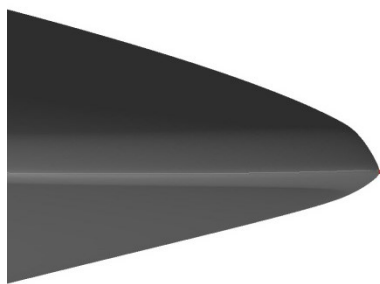


Geometry: Conventional propeller (PPTC)

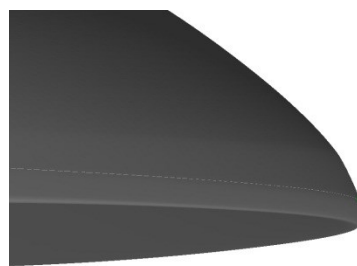
The geometry is given for the scale ratios $\lambda = 12$ and $\lambda = 1$.

Scale Ratio	λ	[-]	12	1
Propeller diameter	D	[mm]	250.0000	3000.0
Pitch at $r/R=0.7$	$P_{0.7}$	[mm]	408.7500	4905.0
Pitch at $r/R=0.75$	$P_{0.75}$	[mm]	407.3804	4888.6
Mean pitch	P_{mean}	[mm]	391.8812	4702.6
Chord length at $r/R=0.70$	$C_{0.70}$	[mm]	104.1670	1250.0
Chord length at $r/R=0.75$	$C_{0.75}$	[mm]	106.3476	1276.2
Thickness at $r/R=0.75$	$t_{0.75}$	[mm]	3.7916	45.5
Pitch ratio	$P_{0.7}/D$	[-]	1.6350	
Mean pitch ratio	P_{mean}/D	[-]	1.5675	
Area ratio	A_E/A_0	[-]	0.7790	
Skew	θ_{eff}	[°]	18.8000	
Hub diameter ratio	d_h/D	[-]	0.3000	
Number of blades	z	[-]	5	
Direction of rotation			right-handed	

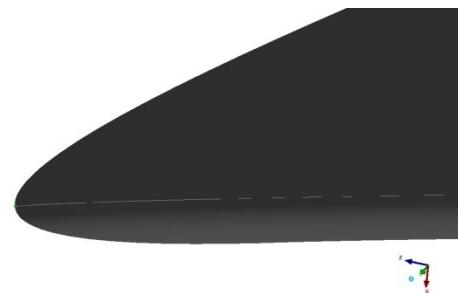
- The propeller is a controllable pitch propeller.
- Examples of the leading and trailing edge geometry is given below



Leading edge



Leading edge



Trailing edge