

Kriegsmarine Wiz Wheel

Description:

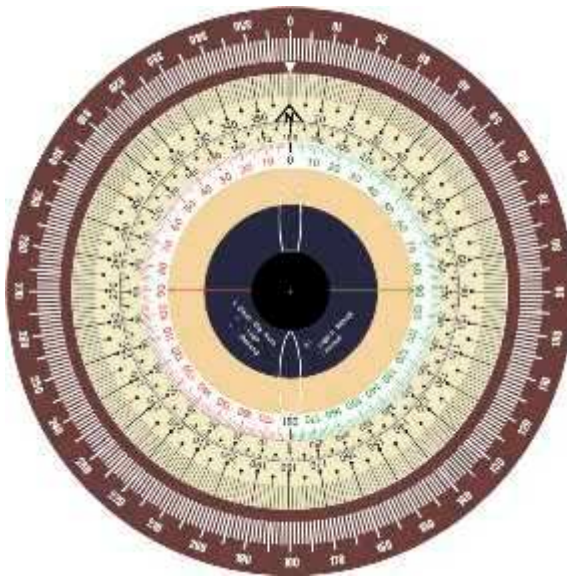
-This pack contains templates in bitmap format to print and build a replica of a Kriegsmarine wiz-wheel or circular slide ruler calculator. The main side is based on a real item from WW2, but the rear side is just a rough guess about what is in the real tool. The reason is that only a picture of the front side was available, so I based the rear side on other known wiz-wheels that had a similar front side (Specifically the US MK3 attack course finder), albeit trying to keep the style of the front side.

How to build:

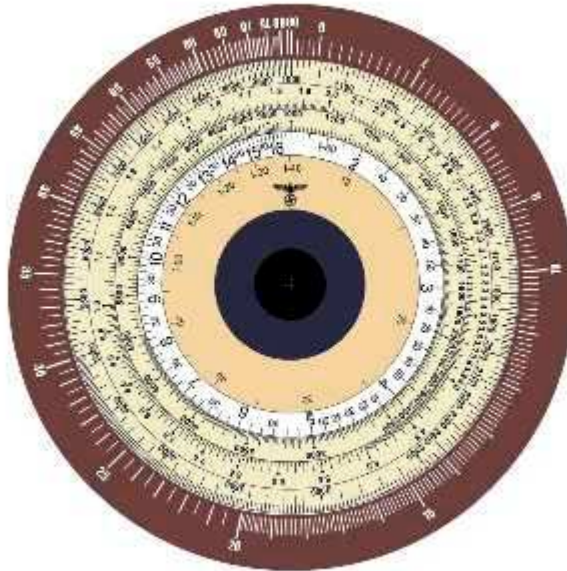
-Print the rings in cardstock or whatever material you prefer, but remember to use a transparent sheet for the transparencies (Template n° 4).

-The first three templates represent the front side of the wheel, the other three are the rear side. Once finished it should look like this (Transparencies not added to allow for a better view of the wheels):

Front Side:



Rear Side:



In the transparencies sheet there are two arms for the central wheels of both sides (B and D), one "Vorhalt" angle scale -60 to 60° (C) and one long own course pointer (A).

Front Side:

Main disk is 1 (Peilung), then above it comes 2 (Kurs), and in the centre, on top of them, disk n° 3 (Lage)

Transparencies:

- A goes directly on the central axis, not tied to any other item.
- B should be glued on the backside of disc 3 (Lage) so that only a part of it protrudes. It serves to indicate target course in the middle wheel (2)
- C goes directly on the central axis, not tied to any other item., but below A

Reverse Side:

Main disk is 5 (Lage Rück), then above it comes 6 (Strecke Rück), and in the centre, on top of them, disk n° 7 (Zeit Rück)

Transparencies:

-D should be glued on the backside of disc 7 (Zeit) so that only a part of it protrudes. It serves to indicate target speed in the middle wheel (6)

Here is a picture of the real thing, upon which these templates are based:



For learning about the use of the tool, visit subsim.com forums:

www.subsim.com

There are topics about this wheel and the similar US MK3 open there with lots of feedback.

Credits:

Author: Hitman

Thanks to Don1reed for providing a scan of a picture from the real thing!

Tools used: Paint Shop Pro 7.0 Demo, Windows Paint.

Disclaimer: The tools used to create this rear side discs are not professional engineering programs, so there could be some inaccuracies, though hopefully almost unnoticeable due to the large scale of the images and the good quality circular ruler templates I used.

This pack can be freely hosted and distributed by anyone as long as:

- 1.- It is not modified without my knowledge and permission.
- 2.- No money is made out of it without my permission.

Enjoy!

Hitman, May 2007