



# Making Wire Wheels Using Eduard PE Sets

# Materials Required

- Tire
- Wire for rim if desired
- Wire Wheel PE set
- PE cutter
- Wire cutter
- Glue
- Toothpick
- Micrometer
- Marble
- Soft surface
- Punch set

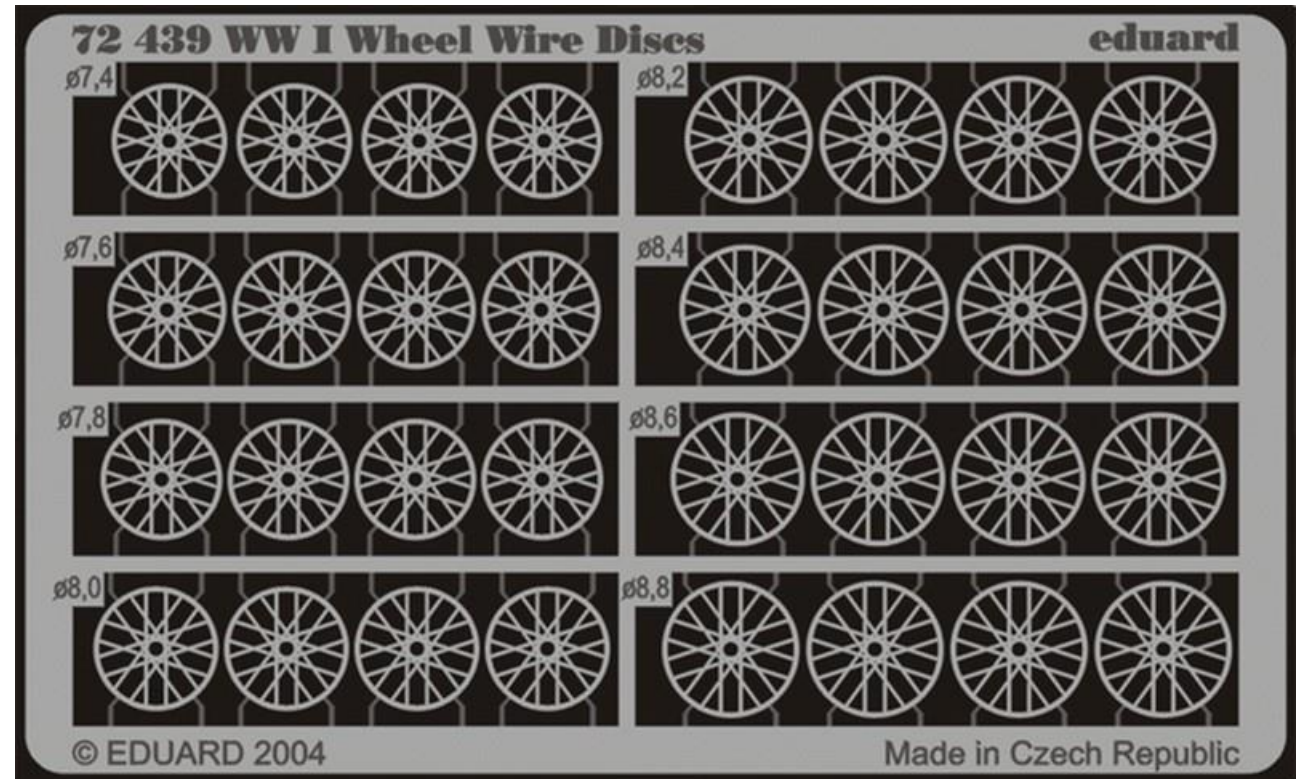
## The Tire

1. Use the kit tire with the spokes removed, but do not cut away the rim.
2. Rubber O-ring tire. Choose the OD, ID and thickness desired.



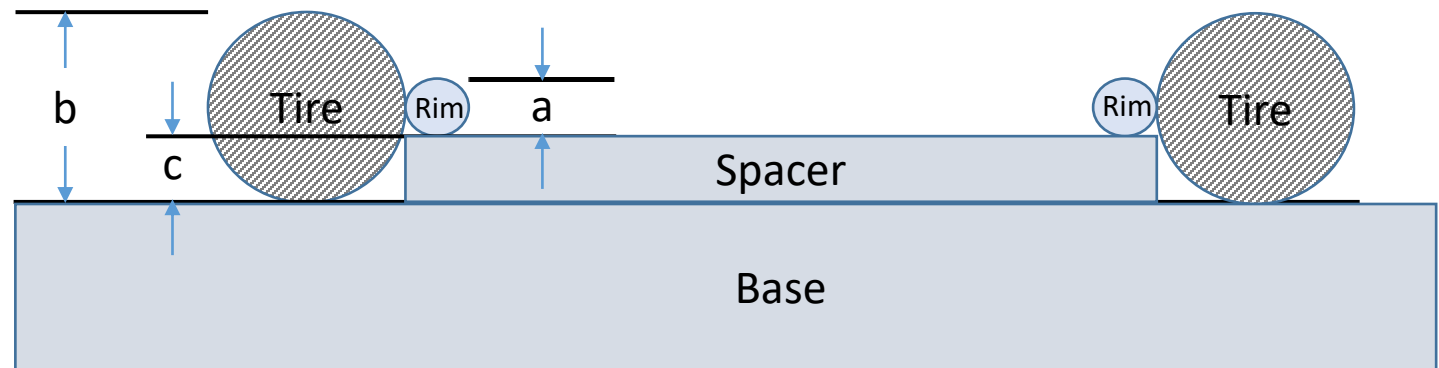
# The Wire Wheels

1. Eduard 72439 WWI Wheel Wire Discs 1/72 (7.4mm to 8.8mm)
2. Eduard 48505 WWI Wheel Wire Discs 1/48 (10.5mm to 12.5mm)



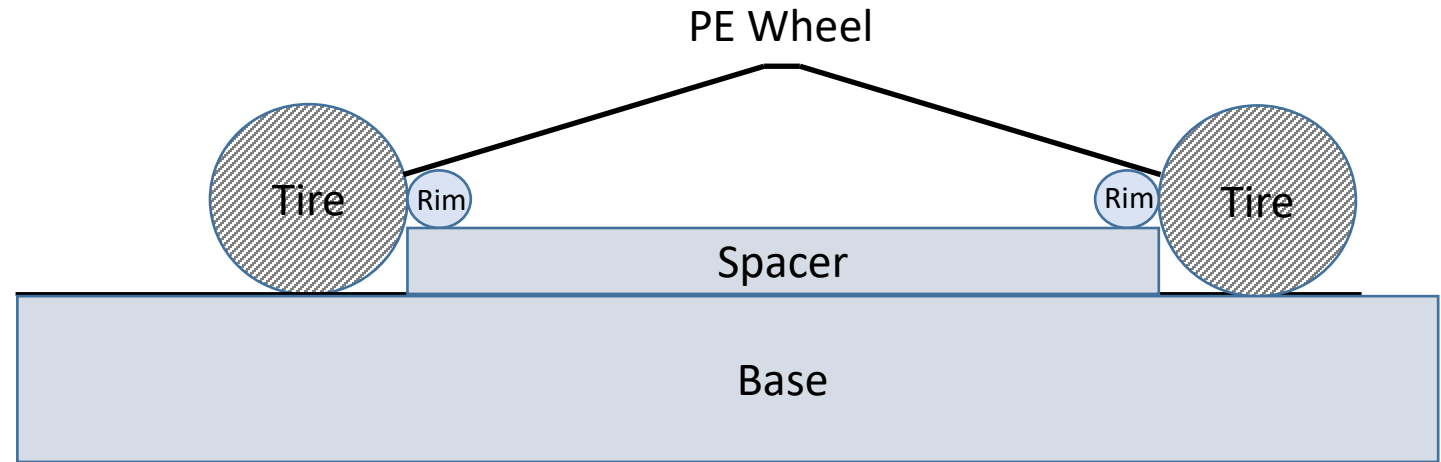
# The Jig

1. Build a jig by cutting out of spacer using a punch that matches the ID of the tire.
2. The spacer thickness is half the tire thickness minus half the rim thickness or  
$$c = .5 b - .5 a$$



## Build the Wheel

1. Lay the tire on the jig
2. Form the rim from wire and lay it on top of the spacer
3. Glue the rim to the tire
4. Cut and shape wire wheel
5. Glue wheel to rim/tire
6. Cut and shape wire wheel side 2
7. Pull assembly off the jig and hold with a toothpick while installing the opposite wire wheel
8. Fill gaps in tire/whhel/rim with CA glue



# Hints and Tips

- Wire wheel OD should be greater than ID of tire. (I used a 8.0mm ID O-Ring with a 8.2mm wheel)
- Amount of PE wheel to remove depends on the desired concave degree
- Build a jig and save the frustration

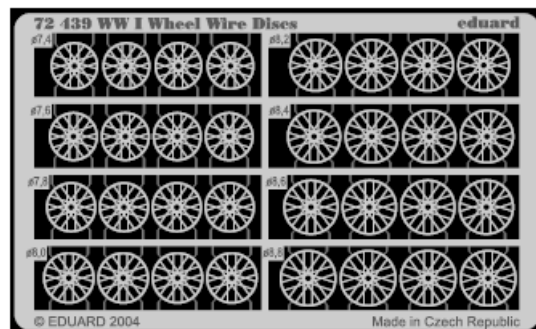










# WWI Wheel Wire Discs

eduard

72 439


1/72 scale detail set • sada detailů pro modely 1/72



-  APPLY EXPRESS MASK AND PAINT BEFORE GLUING  
POUŽIT EXPRESS MASK NABARVIT PŘED SLEPENÍM
-  SYMMETRICAL ASSEMBLY  
SYMETRICKÁ MONTÁŽ
-  REMOVE  
ODSTRANIT
-  GRIND  
OBROUSIT
-  DRILL HOLE  
VRTAT OTVOR
-  BEND  
OHNOUT
-  OPTION  
VOLBA
-  REPLACE  
NAHRADIT

 ORIGINAL KIT PARTS  
PŮVODNÍ DÍLY STAVEBNICE

 PHOTO-ETCHED PARTS  
LEPTANÉ DÍLY

 PARTS TO BE REMOVED  
DÍLY K ODSTRANĚNÍ

 FILL  
TMELIT

