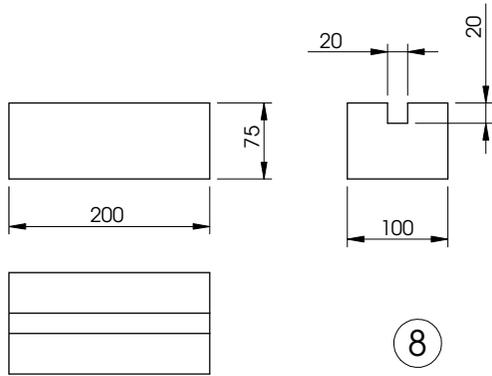
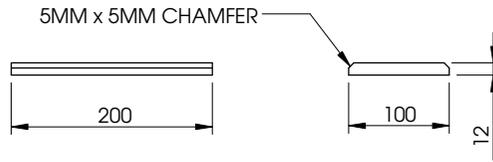


REAR AXLE ASSEMBLY #1

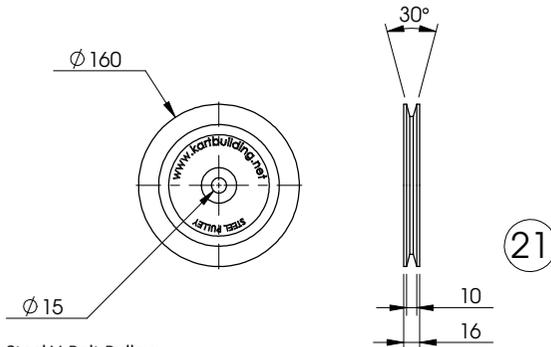
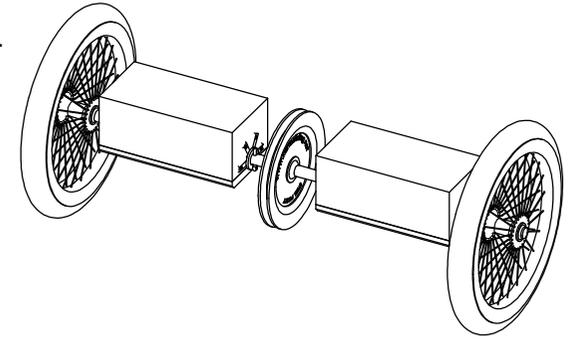
All the parts required for the Rear Axle Assembly can be seen below. To see the quantities of parts required, compare the labelled numbers to SHEET 4.



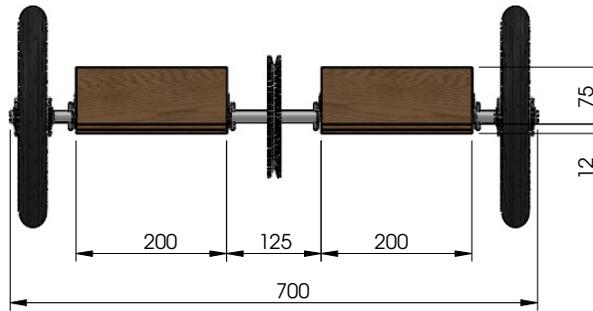
8



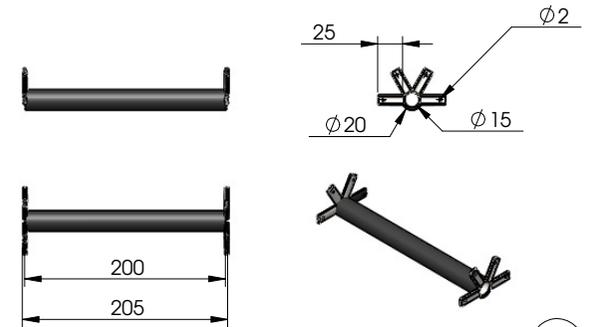
14



21

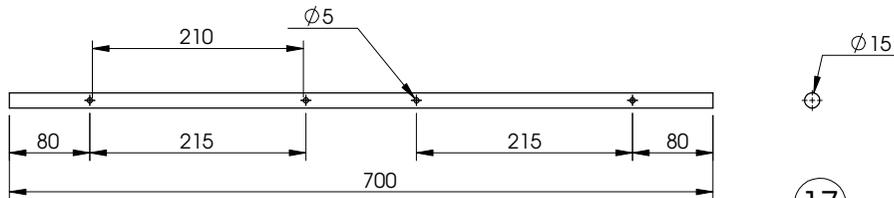


Rear Axle Assembly:
This is a "Live Axle" arrangement. The entire Axle spins. The steel pulley is welded to the Axle. The two wheels are also welded to the Axle. The Rear Axle Supports will be attached to the main chassis. If the Spoked Wheels do not have a metal hub, or cannot be welded to the rear Axle, see SHEET 14.



25

Rear Axle Bushing:
This piece is made from a 250MM long piece of Pipe/Tube with outside diameter of 20MM and inside diameter of 15MM (wall thickness of 2.5MM). Slits are made 25MM in the end of the Pipe with a "hacksaw" (SHEET 5), and the resulting pieces are bent outwards using a pliers. Two of the bottom pieces are removed. These tabs/pieces allow the tube to be nailed/secured to the Rear Axle Support and prevent them from spinning / rotating inside the support.



17

Rear Axle:
215 is the distance between the center of the two holes. The holes are 5MM Diameter, so the closest distance between the two holes is 210. The overall length of the Rear Axle Bushing is 205. Two washers each of 2.5MM thickness takes up the distance, making for a perfect fit.

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE DESIGNER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER IS PROHIBITED.		kartbuilding.net	
TITLE: REAR AXLE ASSEMBLY # 1			
MATERIAL AS SPECIFIED		DATE: 17/10/2009	
FILE NAME: Main-Wooden-Kart-		SIZE: A4	REV. 1
SCALE: 1:20	DESIGNER: STEPHEN BURKE		SHEET 12 OF 21