

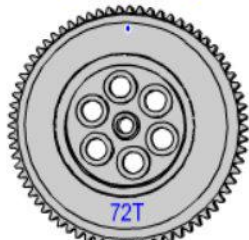
## Multi-purpose Components

The multi-purpose parts below can be used for wheels, pulleys or gears.

20T (20mm dia.)

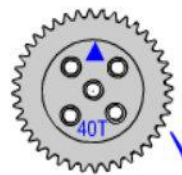


Use as a gear, pulley or bevel gear



72T

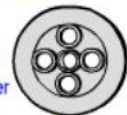
Use as gear, wheel, pulley or thrust bearing



40T

40T or 40mm diameter  
Use as a gear, wheel, pulley or bevel gear

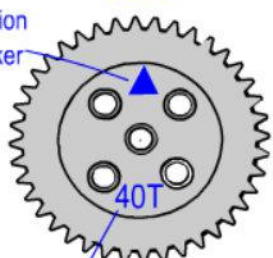
28mm diameter



Use as wheel, pulley or a cam

### Detail

Position Marker



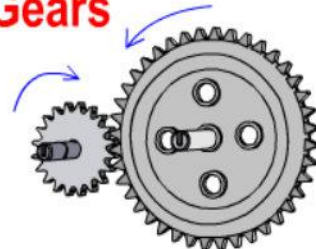
40T

This number shows the number of gear teeth and the wheel diameter in millimetres

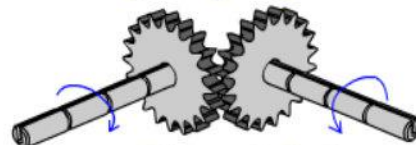
## Ways of Using the Kre8 Multi-purpose Wheels and Pulleys

Note - All the mechanical parts are grey

### Gears

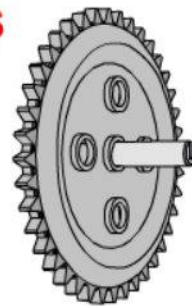


20T gear driving a 40T gear 'in-line'

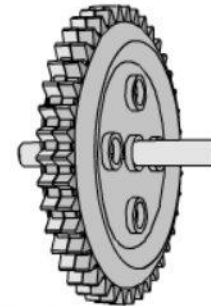


90 degree angle of rotation  
(only possible with 20T bevel gears)

### Wheels

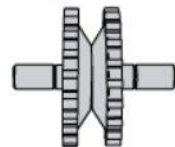


A single wheel being used  
(most economic)

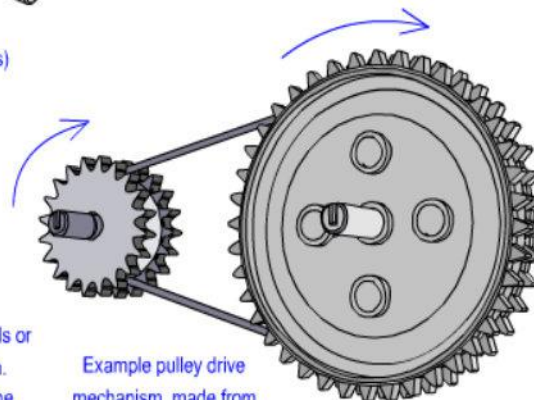


Two wheels on the same axle to get a wider and better looking wheel

### Pulleys



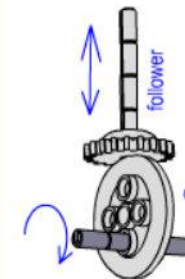
Pulleys are made by using two matching wheels or gears face to face on a 4mm axle as shown.  
(The larger pulleys may need extra rods in the outer holes to stop the pulley opening up in use)



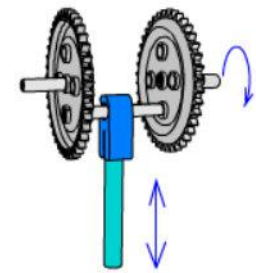
Example pulley drive mechanism made from 20mm and 40mm wheels

**Note - The 4mm grey tube (not the 4mm Kre8 snap rod) will turn round in the 4mm holes allowing wheels to spin in this tube. Wheels can be kept in place with the 4mm grey collars.**

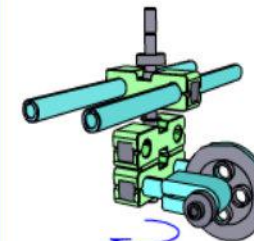
## Some Other Uses



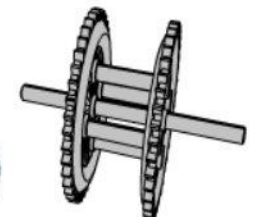
28mm wheel being used as a cam to lift the 'follower'



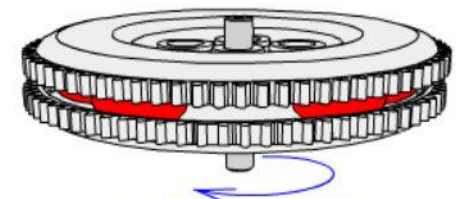
Crank driving a rod  
(for light loads only)



Caster wheel for a robot buggy



'Winding drum' made from two 40mm wheels and an axle rod



Used as a large 'thrust bearing'  
Marbles are placed between the two 72mm wheels