

# Wheel Deal

*User Guide*

**PITSCO**  
EDUCATION

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## With this tool, you can:

- Accurately mark axle height.
- Assemble wheels and hubs.
- Insert axles into wheels.
- Assemble wheels and axles on dragsters.

## Materials Included

- Wheel Deal fixture
- 2 pen refills

## Accurately Marking Axle Height

To use the Pitsco Wheel Deal to mark the axle height for a dragster:

1. Choose the height you want your axle. The Wheel Deal provides center lines for six standard heights in 1 mm increments. Be sure the axle hole will be within the specifications of your specific competition and will not interfere with the design of your dragster.
2. Insert the pen point into the desired height location. The pen point should extend beyond the opposite side of the Wheel Deal (Figure 1).



Figure 1

3. While holding the pen and Wheel Deal steady on a flat surface, place the body blank next to the Wheel Deal, holding the bottom of the blank against the flat surface as well (Figure 2).
4. Move the blank carefully against the pen point, making a mark along the blank. This mark indicates the vertical position of the axle holes (Figure 3).

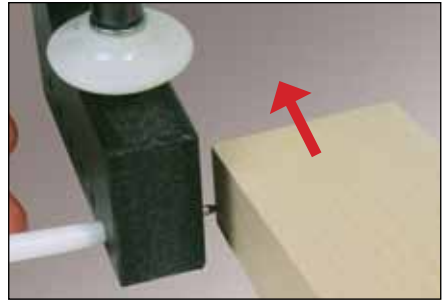


Figure 2



Figure 3

## Assembling Hubs and Wheels

To use the Wheel Deal to insert hubs into wheels:

1. Place the Wheel Deal on a flat surface.
2. Place the wheel on the lower jaw of the hub press, with the wheel well facing upward (Figure 4).
3. Place the hub face up on the wheel. Use your hand to firmly press the hub completely into the wheel (Figure 5).



Figure 4



Figure 5

## Inserting an Axle into a Wheel

To use the Pitsco Wheel Deal to insert an axle into a wheel:

1. Lightly insert the axle into the axle hole of the wheel (Figure 6).

**Note:** Be sure to not exert pressure on the rim of the wheel, as this can cause the wheel to bend or break.



Figure 6

2. Place the Wheel Deal on a flat surface.
3. Place the free axle end against the jaw of the wheel and axle press so that the axle is parallel to the flat surface and in the center of the thickness of the press jaw.
4. The wheel should be placed against the axle press head.
5. Hold the Wheel Deal with one hand while using the other hand to push on the axle press and insert the axle into the wheel.

## Assembling Wheels and Axles on the Dragster

To use the Wheel Deal for final assembly of the wheel and axles:

1. Place an axle in one, the axle holes of the dragster body.
2. Place a washer onto each end of the axle, and then lightly insert a wheel onto each end of the axle. Be sure the wheels are on the axle far enough to hold them straight.
3. Position the Wheel Deal on a flat surface. Insert the dragster under the Wheel Deal.
4. Position the dragster so the axle press head is centered on the wheel and axle assembly (Figure 7).



Figure 7

5. Holding the Wheel Deal with one hand, use the other hand to push on the axle press, forcing the wheels onto the axle (Figure 8).
6. Adjust the position of the wheels on the axles to provide about 1/8" of play (back and forth movement) between the wheels and the dragster body.



*Figure 8*

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