

Polyolefin Wheels

Capacity up to 300 lbs each



This hard tread polyolefin wheel is light weight, offers non-marking floor protection, and resists hard impacts. Very light in weight, yet the impact strength for this wheel is far superior to hard rubber wheels. It offers superior resistance to most oils, chemicals, grease, solvents and acids. Fit for light and medium duty applications. The standard color is black.

Temperature range: -45°F to +180°F.

Hardness: 70(±5) Durometer Shore D scale.

Colson Polyolefin Wheels • Capacity up to 300 lbs each

| Wheel Dia. | Tread Width | Capacity Each (Pounds) | Bearing | Wheel Model Number | Wheel | | | Spanner Bushing | | Thread Guard TG1: Metal TG2: Plastic | Weight (Pounds) |
|------------|-------------|------------------------|---------|--------------------|--------------|-------------------|------------|-----------------|---------|--|-----------------|
| | | | | | Bearing Bore | Bore Less Bearing | Hub Length | Bore | Length | | |
| 1 5/8" | 7/8" | 75 | Delrin | 1.00001.52 | 5/16" | 1/2" | 1 1/32" | – | – | – | 1/16 |
| 2" | 7/8" | 100 | Delrin | 1.00002.52 | 5/16" | 1/2" | 1 1/32" | – | – | – | 1/8 |
| 2 1/2" | 1 1/4" | 200 | Delrin | 2.00002.53 | 1/2" | 29/32" | 1 7/16" | 3/8" | 1 1/2" | TG1: 57852 | 1/4 |
| | | | Ball | 2.00002.55 | 3/8" | 29/32" | 1 1/2" | – | – | | 1/4 |
| 3" | 7/8" | 125 | Delrin | 1.00003.53 | 7/16" | 5/8" | 1 1/32" | 5/16" | 1 7/64" | TG1: 57852.03 | 1/3 |
| | 1 1/4" | 200 | Delrin | 2.00003.52 | 1/2" | 29/32" | 1 7/16" | 3/8" | 1 1/2" | – | 3/8 |
| 3 1/2" | 1 1/4" | 250 | Delrin | 2.00003.53 | 1/2" | 29/32" | 1 7/16" | 3/8" | 1 1/2" | TG1: 57854.01 | 3/8 |
| | | | Ball | 2.00003.55 | 3/8" | 29/32" | 1 1/2" | – | – | | 1/2 |
| 4" | 7/8" | 135 | Delrin | 1.00004.53 | 7/16" | 5/8" | 1 1/32" | 5/16" | 1 7/64" | – | 1/2 |
| | 1 1/4" | 275 | Delrin | 2.00004.53 | 1/2" | 29/32" | 1 7/16" | 3/8" | 1 1/2" | TG1: 57854.01 | 3/4 |
| | | | Ball | 2.00004.55 | 3/8" | 29/32" | 1 1/2" | – | – | | 1 |
| 5" | 7/8" | 145 | Delrin | 1.00005.53 | 7/16" | 5/8" | 1 1/32" | 5/16" | 1 7/64" | – | 1/2 |
| | 1 1/4" | 300 | Delrin | 2.00005.53 | 1/2" | 29/32" | 1 7/16" | 3/8" | 1 1/2" | TG1: 57866.03 | 1 |
| | | | Ball | 2.00005.55 | 3/8" | 29/32" | 1 1/2" | – | – | | TG2: 57852.43 |

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Thread Guards: Specify "TG1" (metal), "TG2" (plastic).

Polyolefin Wheels

Capacity up to 900 lbs each



Designed for hard impacts and heavy loads, this wheel is injection molded from an exclusive Colson polyolefin compound. The unique ribbed design adds strength. Very light in weight, yet the impact strength of this wheel is far superior to hard rubber wheels. It offers superior resistance to most oils, chemicals, grease, gasoline, cooking fats and acids. In addition, the wheel is stain resistant, non-marking and provides zero water absorption.

Temperature range: -45°F to +180°F.

Hardness: 70(±5) Durometer Shore D scale.

Colson Polyolefin Wheels • Capacity up to 900 lbs each

| Wheel Dia. | Tread Width | Capacity Each (Pounds) | Bearing | Wheel Model Number | Wheel | | | Spanner Bushing | | Thread Guard TG1: Metal | Weight (Pounds) |
|------------|-------------|------------------------|---------|--------------------|--------------|-------------------|------------|-----------------|--------|-------------------------|-----------------|
| | | | | | Bearing Bore | Bore Less Bearing | Hub Length | Bore | Length | | |
| 3" | 1 1/2" | 300 | Delrin | 3.00003.801 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | TG1: 52250.62 | 1/2 |
| | | | Plain | 3.00003.802 | — | 3/4" | 15/8" | 3/8" | 17/8" | | 1/2 |
| | | | Roller | 3.00003.809 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | | 1/2 |
| | | | Delrin | 4.00003.811 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | TG1: 57852.12 | 1/2 |
| | | | Plain | 4.00003.812 | — | 3/4" | 15/8" | 1/2" | 27/16" | | 1/2 |
| | | | Roller | 4.00003.819 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | | 1/2 |
| 4" | 1 1/2" | 375 | Delrin | 3.00004.801 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | TG1: 57852.06 | 3/4 |
| | | | Plain | 3.00004.802 | — | 3/4" | 15/8" | 3/8" | 17/8" | | 3/4 |
| | | | Roller | 3.00004.809 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | | 3/4 |
| | | | Delrin | 4.00004.811 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | TG1: 57852.07 | 3/4 |
| | | | Plain | 4.00004.812 | — | 3/4" | 15/8" | 1/2" | 27/16" | | 3/4 |
| | | | Roller | 4.00004.819 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | | 3/4 |
| | 2" | 500 | Delrin | 5.00004.831 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | TG1: 57852.07 | 3/4 |
| | | | Plain | 5.00004.832 | — | 3/4" | 23/16" | 1/2" | 27/16" | | 3/4 |
| | | | Roller | 5.00004.839 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | | 3/4 |
| 5" | 1 1/2" | 450 | Delrin | 3.00005.801 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | TG1: 57866 | 3/4 |
| | | | Plain | 3.00005.802 | — | 3/4" | 15/8" | 3/8" | 17/8" | | 3/4 |
| | | | Roller | 3.00005.809 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | | 3/4 |
| | | | Delrin | 4.00005.811 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | TG1: 57866.01 | 3/4 |
| | | | Plain | 4.00005.812 | — | 3/4" | 15/8" | 1/2" | 27/16" | | 3/4 |
| | | | Roller | 4.00005.819 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | | 3/4 |
| | 2" | 650 | Delrin | 5.00005.831 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | TG1: 57866.01 | 1 |
| | | | Plain | 5.00005.832 | — | 3/4" | 23/16" | 1/2" | 27/16" | | 1 |
| | | | Roller | 5.00005.839 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | | 1 |
| 6" | 1 1/2" | 500 | Delrin | 3.00006.801 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | TG1: 52250.56 | 1 |
| | | | Plain | 3.00006.802 | — | 3/4" | 15/8" | 3/8" | 17/8" | | 1 |
| | | | Roller | 3.00006.809 | 3/4" | 13/16" | 15/8" | 3/8" | 17/8" | | 1 |
| | | | Delrin | 4.00006.811 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | TG1: 57551.05 | 1 |
| | | | Plain | 4.00006.812 | — | 3/4" | 15/8" | 1/2" | 27/16" | | 1 |
| | | | Roller | 4.00006.819 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | | 1 |
| | 2" | 700 | Delrin | 5.00006.831 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | TG1: 57551.05 | 1 1/4 |
| | | | Plain | 5.00006.832 | — | 3/4" | 23/16" | 1/2" | 27/16" | | 1 1/4 |
| | | | Roller | 5.00006.839 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | | 1 1/4 |
| 8" | 1 1/2" | 600 | Delrin | 4.00008.811 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | — | 1 |
| | | | Roller | 4.00008.819 | 3/4" | 13/16" | 15/8" | 1/2" | 27/16" | | 1 |
| | 2" | 900 | Delrin | 5.00008.831 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | TG1: 57852.20 | 1 1/2 |
| | | | Plain | 5.00008.832 | — | 3/4" | 23/16" | 1/2" | 27/16" | | 1 1/2 |
| | | | Roller | 5.00008.839 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | | 1 1/2 |
| | | | Roller | 5.00008.839 | 3/4" | 13/16" | 23/16" | 1/2" | 27/16" | | 1 1/2 |

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- 1-Piece Delrin Bearing with Bushing (2" tread width): Specify "WB11".
- 1-Piece Delrin Bearing less Bushing (2" tread width): Specify "WB11B".
- Metal cage roller bearing: Specify "WB29".
- Torrington style with Hytrel retainer (2" tread width): Specify "WB19".
- Roller Bearing less Bushing: Specify "WB09B".
- Roller bearing metal thrust & retainer washers: Specify "WSR1".
- Roller bearing sintered iron step washers: Specify "WSR2".
- Roller bearing sealed metal retainer washer: Specify "WSR3".
- Pedestal Precision Ball Bearing (PPBB): To order change 9th digit in model number to "5" (Example: 5.00006.835). Also available in stainless steel, consult factory.