

Wheel Overview

Wheel Bearings

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Order Charts: p. 91



Wheel Thread Guards

Page: 54

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Performa® Rubber

Pages: 55-63

Capacity:

60 lbs to 1,700 lbs each



Flat Grey and Black (p. 56-57, 59)



Round Grey (p. 58, 60)



Conductive Round and Flat (p. 61-62)



Hand Truck Round and Flat (p. 63)

For Caster Series: 1, 2, 3, 4, and 6

Wheel Diameters: 1-5/8", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 8", 10", and 12"

Tread Width: 7/8", 1-1/4", 1-5/16", 1-1/2", 2", 2-1/2", and 3"

Rubber Tread

Pages: 63-64

Capacity:

75 lbs to 1,140 lbs each

For Caster Series: 1, 2, 4, and 6

Wheel Diameters: 2", 3", 4", 5", 6", and 8"

Tread Width: 7/8", 1-1/4", and 2"



Hard & Soft Rubber (p. 64-65)



Moldon Rubber on Cast Iron (p. 66)

Polyurethane Tread on Aluminum Core (Towable/Ergonomic)

Pages: 67

Capacity:

100 lbs to 1,500 lbs each

For Caster Series: 4 and 6

Wheel Diameters: 4", 5", 6", and 8"

Tread Width: 2"



Moldon Polyurethane on Aluminum (p. 67)

Polyurethane Tread on Polyolefin Core

Pages: 68-71

Capacity:

100 lbs to 1,700 lbs each

For Caster Series: 1, 2, 3, 4, and 6

Wheel Diameters: 2-1/2", 3", 3-1/2", 4", 5", 6", 8", 10", and 12"

Tread Width: 7/8", 1-1/4", 1-1/2", 2", 2-1/2", and 3"



Moldon Polyurethane HI-TECH® (p. 68-71)

Polyurethane Tread on Iron Core

Page: 72

Capacity:

700 lbs to 1,500 lbs each

Caster Series: 4 and 6

Wheel Diameters: 4", 5", 6", and 8"

Tread Width: 2"



Moldon Polyurethane on Cast Iron (p. 71)

Solid Polyurethane

Page: 73

Capacity:

300 lbs to 1,500 lbs each

For Caster Series: 2, 4 & 6

Wheel Diameters: 3", 4", 5", 6", and 8"

Tread Width: 1-1/4", and 2"



K Solid Polyurethane (p. 71)



Endura® Solid Elastomer (p. 73)

Wheel Overview

HydroTech TPE

Pages: 74

Capacity:

600 lbs to 1000 lbs each

For Caster Series: 4 and 6

Wheel Diameters: 3", 5", 6" and 8"

Tread Width: 2"



HydroTech
(p. 74)

Nylon Wheels

Pages: 76

Capacity:

600 lbs to 2160 lbs each

For Caster Series: 4 and 6

Wheel Diameters: 3-1/4", 4", 5", 6", 8" and 10"

Tread Width: 1-1/2", and 2"



Maxim®
(p. 76)

High Temperature

Pages: 77

Capacity:

300 lbs to 1,100 lbs each

For Caster Series: 2, 3, 4 and 6

Wheel Diameters: 3", 3-1/2", 4", 5", and 6"

Tread Width: 1-1/4", 1-1/2", and 2"



Thermo® (p. 77)

Polyolefin

Pages: 78-79

Capacity:

75 lbs to 900 lbs each

For Caster Series: 1, 2, 3, 4 and 6

Wheel Diameters: 1-5/8", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", and 8"

Tread Width: 7/8", 1-1/4", 1-1/2", and 2"



Polyolefin (p. 78-79)

Phenolic

Pages: 80-81

Capacity:

300 lbs to 1,400 lbs each

For Caster Series: 2, 3, 4, and 6

Wheel Diameters: 2-1/2", 3", 3-1/4", 4", 5", 6", 8", 10", and 12"

Tread Width: 1-7/16", 1-15/32", 1-1/2", and 2"



Phenolic (p. 80-81)

Metal Wheels

Pages: 82-84

Capacity:

200 lbs to 1,500 lbs each

For Caster Series: 2, 3, 4 and 6

Wheel Diameters: 2-1/2", 3", 3-1/2", 4", 5", 6", and 8"

Tread Width: 1-1/4", 1-1/2", and 2"



Cast Iron (p. 82-83)



V-Groove (p. 84)

Encore Hand Truck Wheels

Page: 85

Capacity:

280 lbs to 600 lbs each

Wheel Diameters: 8", and 10"

Tread Width: 1-1/2", and 2"



Encore (p. 85)

Understanding Bearing Options

Delrin® Bearing

Delrin, a DuPont engineered plastic, is extremely durable under a wide range of temperature and humidity conditions, and is corrosion resistant. Wheels with Delrin bearings are well suited for applications where brine conditions, steam cleaning, excessive water, or liquids are present. One piece or two piece Delrin bearing models are available (shown with spanner bushing). To order, see page 93.



Annular Ball Bearing

Annular ball bearings are precision type bearings with machined, hardened raceways. This bearing is for applications where maximum rolling ease and quiet operation are needed and best suited for light to medium duty loads. The bearing is pre-assembled, and the entire unit is mounted in the wheel.



Precision Sealed Ball Bearing (Prec. Ball)

Recommended for maximum rolling ease with no maintenance lubrication required, this quiet operating bearing is for medium duty to heavy duty loads. This bearing is available on all Endura Solid Elastomer and 2" tread width non conductive Performa Rubber wheels. Minimum order quantities apply to performa wheels. Now available for Performa hand truck wheels! To order, see page 93.



Pedestal Precision Ball Bearing (PPBB)

This bearing is perfect when excellent rolling ease and quiet operation are required for your application. There is no maintenance grease required. The integrated spanner bushing makes installation easy. Now available in stainless steel, too! To order, see page 93.



Plain & Sleeve Bearing

Plain and sleeve bearings provide a metal sleeve inserted in a wheel to rest directly on the axle. This option is only recommended when rolling ease is less critical. To order, see page 93.



Bronze Bearing

The bronze bearing is durable under a wide range of temperature and humidity conditions and is corrosion resistant. It is highly recommended for high heat (up to 350°F) or wet applications (shown with spanner bushing). To order, see page 93.



Roller Bearing

The roller bearing is capable of carrying a greater load than the same size diameter ball bearing. It has a split outer race shell into which the roller assembly is inserted. Standard Colson roller assembly features hardened steel rollers enclosed in a thermoplastic case on 1-1/2" and 2" tread width wheels. Metal cage roller bearings are available (Specify WB29) and are standard on wheels with tread widths of 2-1/2" and larger. Combination seal/thrust retainer washers protect the bearing from dirt, water, and chemicals. They also help absorb thrust friction (Note: roller bearing must be used with hardened spanner bushing or hardened shaft). To order, see page 93.



Torrington-Style Roller Bearing

Colson's Torrington-style caged drawn cup bearings have a steel cage that provides inward retention of the needle rollers. This design provides maximum cage strength consistent with long service life. This bearing is available on 2" tread width wheels only. (Note: Must be used with hardened spanner bushing or hardened shaft.) To order, see page 93.



Plastic & Metal Thread Guards

Designed to keep lint, thread and other soft materials out of bearings.

Certain industries and institutions find that excessive amounts of lint, thread and other soft materials have a tendency to work into caster wheel bearings. Wheel thread guards help overcome this problem. The thread guard does not revolve and thus forces thread to deposit away from the wheel bearing, not to mention it greatly improves the caster's appearance. Colson offers both plastic and metal thread guards. Plastic

thread guards are more flexible and will not rust or corrode making them ideal for wash down applications. Metal thread guards have a zinc plated finish on 1-3 Series wheels and a galvanized finish for 4-7 Series models to protect against corrosion. To order on a caster, specify "TG1" for metal and "TG2" for plastic thread guards. To check for availability on caster models consult factory (See page 98).



PERFORMA^{wheels}

OFTEN IMITATED, NEVER DUPLICATED.

TOUGH ENVIRONMENTS



IMPACT & SHOCK PROTECTION



REJECTS FLOOR DEBRIS



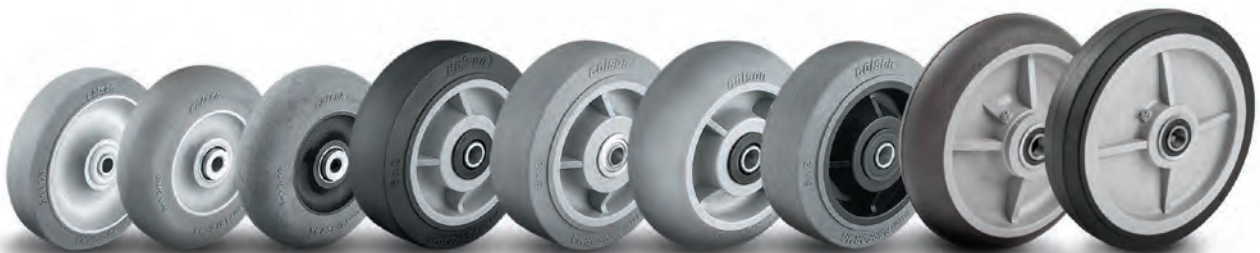
Performa Wheels are the market's most superior soft tread wheel. Competitors from around the world have attempted to copy this innovative and unique wheel since its release in 1993. Performa is the original, and it's **manufactured right here in the USA in more sizes and treads than ever before.**

WHY PERFORMA?

- **Easy rolling and turning— for ergonomic advantages**
- **Quiet rolling, impact resistant and very floor protective**
- **Absorbs shock to help protect equipment**
- **Maximum weather-ability and resistance to chemicals, water and steam**
- **USA-Made for fast lead times and the highest quality**
- **Rejects floor debris, such as metal shavings, for long service life**



The Performa wheels are in stock and ready to ship. Contact your Colson representative **for more information, quotes, samples, or to place your order today!**



Performa® Rubber Wheels



Flat Grey Tread

Capacity up to 325 lbs each



Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Non-marking thermoplastic elastomer tread is permanently bonded to durable polyolefin wheel core.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Rubber Wheels • Flat Grey Tread • Capacity up to 325 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"	60	Delrin	1.00001.441	5/16"	1/2"	1 1/32"	-	-	-	1/4
2"	7/8"	75	Delrin	1.00002.441	5/16"	1/2"	1 1/32"	-	-	-	1/4
2 1/2"	1 1/4"	140	Delrin	2.00002.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	-	1/4
			Ball	2.00002.445	3/8"	-	1 1/2"	-	-	-	3/8
3"	7/8"	125	Delrin	1.00003.441	7/16"	39/64"	1 1/32"	5/16"	1 7/64"	TG1: 57852.03	1/4
			Delrin	2.00033.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	-	1/2
			Ball	2.00033.445	3/8"	-	1 1/2"	-	-	-	1/2
3 1/2"	1 1/4"	250	Delrin	2.00003.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	3/8
			Ball	2.00003.445	3/8"	-	1 1/2"	-	-	TG2: 57852.39	1/2
4"	7/8"	135	Delrin	1.00004.441	7/16"	39/64"	1 1/32"	5/16"	1 7/64"	-	1/4
			Delrin	2.00004.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	5/8
			Ball	2.00004.445	3/8"	-	1 1/2"	-	-		3/4
5"	7/8"	145	Delrin	1.00005.441	7/16"	39/64"	1 1/32"	5/16"	1 7/64"	TG2: 57852.42	1/4
			Delrin	2.00005.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57866.03	3/4
			Ball	2.00005.445	3/8"	-	1 1/2"	-	-	TG2: 57852.43	7/8
6"	1 1/4"	325	Delrin	2.00006.441	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57866.03	3/4
			Ball	2.00006.445	3/8"	-	1 1/2"	-	-	TG2: 57852.43	7/8

Precision Performa Flat

Capacity up to 325 lbs each



Precision Performa Flat are similar to Performa Rubber Flat treads shown above, but also feature precision ball bearings and partial thread guard.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Precision Performa Rubber Wheels • Flat Grey Tread • Capacity up to 325 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	200	Precision Ball	2.00033.4P8	3/8"	-	1 1/2"	-	-	5/16
3 1/2"	1 1/4"	250	Precision Ball	2.00003.4P8	3/8"	-	1 1/2"	-	-	5/16
4"	1 1/4"	300	Precision Ball	2.00004.4P8	3/8"	-	1 1/2"	-	-	3/8
5"	1 1/4"	325	Precision Ball	2.00005.4P8	3/8"	-	1 1/2"	-	-	3/4





Flat Grey Tread

Capacity up to **675 lbs each**



Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Non-marking thermoplastic elastomer tread is permanently bonded to ribbed polyolefin wheel core.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Rubber Wheels • Flat Grey Tread • Capacity up to 675 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		
3"	1 1/2"	250	Delrin	3.00003.441	3/4"	13/16"	15/8"	3/8"	17/8"	-	3/4
			Roller	3.00003.449	3/4"	13/16"	15/8"	3/8"	17/8"	-	1
			Delrin	4.00003.441	3/4"	13/16"	15/8"	1/2"	27/16"	-	3/4
			Roller	4.00003.449	3/4"	13/16"	15/8"	1/2"	27/16"	-	1
4"	1 1/2"	325	Delrin	3.00004.441	3/4"	13/16"	15/8"	3/8"	17/8"	-	1
			Roller	3.00004.449	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 1/4
			Delrin	4.00004.441	3/4"	13/16"	15/8"	1/2"	27/16"	-	1
			Roller	4.00004.449	3/4"	13/16"	15/8"	1/2"	27/16"	-	1 1/4
	2"	400	Delrin	5.00004.451	3/4"	13/16"	23/16"	1/2"	27/16"	-	1 1/4
			Roller	5.00004.459	3/4"	13/16"	23/16"	1/2"	27/16"	-	1 1/2
PPBB	5.00004.455	1/2"	13/16"	27/16"	-	-	-	-	1 1/2		
5"	1 1/2"	350	Delrin	3.00005.441	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 1/4
			Roller	3.00005.449	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 1/2
			Delrin	4.00005.441	3/4"	13/16"	15/8"	1/2"	27/16"	-	1 1/4
			Roller	4.00005.449	3/4"	13/16"	15/8"	1/2"	27/16"	-	1 1/2
	2"	500	PPBB	5.00005.455	1/2"	13/16"	27/16"	-	-	TG1: 57852.35	1 1/2
			Delrin	5.00005.451	3/4"	13/16"	23/16"	1/2"	27/16"	TG2: 57852.34	1 1/2
Roller	5.00005.459	3/4"	13/16"	23/16"	1/2"	27/16"	-	1 1/2			
6"	1 1/2"	375	Delrin	3.00006.441	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 1/2
			Roller	3.00006.449	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 3/4
			Delrin	4.00006.441	3/4"	13/16"	15/8"	1/2"	27/16"	-	1 1/2
			Roller	4.00006.449	3/4"	13/16"	15/8"	1/2"	27/16"	-	1 3/4
	2"	600	PPBB	5.00006.455	1/2"	13/16"	27/16"	-	-	TG1: 59042.07	1 3/4
			Delrin	5.00006.451	3/4"	13/16"	23/16"	1/2"	27/16"	TG2: 57852.29	1 3/4
Roller	5.00006.459	3/4"	13/16"	23/16"	1/2"	27/16"	-	1 3/4			
8"	1 1/2"	500	Delrin	4.00008.441	3/4"	13/16"	15/8"	1/2"	27/16"	-	2 1/4
			Roller	4.00008.449	3/4"	13/16"	15/8"	1/2"	27/16"	-	2 1/4
	2"	675	PPBB	5.00008.455	1/2"	13/16"	27/16"	-	-	TG1: 57852.04	2 1/2
			Delrin	5.00008.451	3/4"	13/16"	23/16"	1/2"	27/16"	TG2: 57852.30	2 1/2
			Roller	5.00008.459	3/4"	13/16"	23/16"	1/2"	27/16"	-	2 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"**.
- Precision Sealed Ball Bearing (2" tread width): To order, change 8th and 9th digits in wheel model to **"P5"** (Example 5.00006.4P5). Minimum order quantities apply.
- Pedestal Precision Ball Bearing (PPBB): Available on 1 1/2" tread width wheels. To order change ninth digit in model number to **"5"** (Example: 3.00003.445). Also available in stainless steel (consult factory).
- 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"**.
- Thread Guards: Specify **"TG1"** (metal), **"TG2"** (plastic).
- Custom colors to match your equipment (consult factory).

Performa® Rubber Wheels



Round Grey Tread

Capacity up to **250 lbs each**



Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Thermoplastic elastomer tread is permanently bonded to ribbed polyolefin wheel core and is non-marking.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Rubber Wheels • Round Grey Tread • Capacity up to 250 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		
3 1/2"	1 5/16"	250	Delrin	2.00003.561	1/2"	29/32"	17/16"	3/8"	1 1/2"	—	1/2
			Ball	2.00003.565	3/8"	—	1 1/2"	—	—	—	5/8
5"	1 5/16"	325	Delrin	2.00005.561	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	7/8
			Ball	2.00005.565	3/8"	—	1 1/2"	—	—	TG2: 57852.39	1

Wheel Options

- Delrin Bearing Less Bushing: Specify **"WB01B"**.
- Thread Guards: Specify **"TG1"** (metal), **"TG2"** (plastic).
- Custom colors to match your equipment (consult factory).

Crowned Grey Tread

Capacity up to **325 lbs each**



Performa crowned tread wheels come standard with thread guards and precision ball bearings. These wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Thermoplastic elastomer tread is permanently bonded to ribbed polyolefin wheel core and is non-marking.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Crowned Rubber Wheels • Crowned Grey Tread • Capacity up to 325 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	200	Precision Ball	2.00033.5P8	3/8"	—	1 1/2"	—	—	5/16
3 1/2"	1 1/4"	250	Precision Ball	2.00003.5P8	3/8"	—	1 1/2"	—	—	5/16
4"	1 1/4"	300	Precision Ball	2.00004.5P8	3/8"	—	1 1/2"	—	—	3/8
5"	1 1/4"	325	Precision Ball	2.00005.5P8	3/8"	—	1 1/2"	—	—	3/4



Performa® Rubber Wheels



Flat Black Tread

Capacity up to 1700 lbs each



Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Non-marking thermoplastic elastomer tread is permanently bonded to ribbed polyolefin wheel core.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Rubber Wheels • Flat Black Tread • Capacity up to 1700 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		
4"	2"	400	PPBB	5.00004.455.2	1/2"	13/16"	27/16"	—	—	—	1 1/2
			Delrin	5.00004.451.2	3/4"	13/16"	23/16"	1/2"	27/16"	—	1 1/4
			Roller	5.00004.459.2	3/4"	13/16"	23/16"	1/2"	27/16"	—	1 1/2
5"	2"	500	PPBB	5.00005.455.2	1/2"	13/16"	27/16"	—	—	TG1: 57852.35 TG2: 57852.34	1 1/2
			Delrin	5.00005.451.2	3/4"	13/16"	23/16"	1/2"	27/16"		1 1/2
			Roller	5.00005.459.2	3/4"	13/16"	23/16"	1/2"	27/16"		1 1/2
6"	2"	600	PPBB	5.00006.455.2	1/2"	13/16"	27/16"	—	—	TG1: 59042.07 TG2: 57852.29	1 3/4
			Delrin	5.00006.451.2	3/4"	13/16"	23/16"	1/2"	27/16"		1 3/4
			Roller	5.00006.459.2	3/4"	13/16"	23/16"	1/2"	27/16"		1 3/4
8"	2"	675	PPBB	5.00008.455.2	1/2"	13/16"	27/16"	—	—	TG1: 57852.04 TG2: 57852.30	2 1/2
			Delrin	5.00008.451.2	3/4"	13/16"	23/16"	1/2"	27/16"		2 1/2
			Roller	5.00008.459.2	3/4"	13/16"	23/16"	1/2"	27/16"		2 1/2
10"	2 1/2"	1000	Delrin	7.00010.451.2	1"	115/16"	31/4"	3/4"	3 1/2"	—	6
			Roller	7.00010.459.2	1"	115/16"	31/4"	3/4"	3 1/2"	—	6 1/4
12"	3"	1700	Delrin	7.00012.451.2	1"	115/16"	31/4"	3/4"	3 1/2"	—	7
			Roller	7.00012.459.2	1"	115/16"	31/4"	3/4"	3 1/2"	—	7 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".
- Precision Sealed Ball Bearing (2" tread width): To order, change 8th and 9th digits in wheel model to "P5" (Example 5.00006.4P5.2). Minimum order quantities apply.
- Pedestal Precision Ball Bearing (PPBB) also available in stainless steel (consult factory).
- 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".
- Thread Guards: Specify "TG1" (metal), "TG2" (plastic).
- Custom colors to match your equipment (consult factory).



Round Grey Tread

Capacity up to **600 lbs** each



Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushion ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and rejects floor debris such as metal shavings. Thermoplastic elastomer tread is permanently bonded to ribbed polyolefin wheel core and is non-marking.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 65(±5) Durometer Shore A scale.

Colson Performa Rubber Wheels • Round Grey Tread • Capacity up to 600 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		
4"	2"	400	PPBB	5.00004.555	1/2"	1 3/16"	27/16"	—	—	—	1 3/4
			Delrin	5.00004.551	3/4"	1 3/16"	23/16"	1/2"	27/16"		1 3/4
			Roller	5.00004.559	3/4"	1 3/16"	23/16"	1/2"	27/16"		1 3/4
5"	2"	425	PPBB	5.00005.555	1/2"	1 3/16"	27/16"	—	—	TG1: 57852.35 TG2: 57852.34	17/8
			Delrin	5.00005.551	3/4"	1 3/16"	23/16"	1/2"	27/16"		17/8
			Roller	5.00005.559	3/4"	1 3/16"	23/16"	1/2"	27/16"		17/8
6"	2"	450	PPBB	5.00006.555	1/2"	1 3/16"	27/16"	—	—	TG1: 59042.07 TG2: 57852.29	2
			Delrin	5.00006.551	3/4"	1 3/16"	23/16"	1/2"	27/16"		2
			Roller	5.00006.559	3/4"	1 3/16"	23/16"	1/2"	27/16"		2
8"	2"	600	PPBB	5.00008.555	1/2"	1 3/16"	27/16"	—	—	TG1: 57852.04 TG2: 57852.30	2 1/4
			Delrin	5.00008.551	3/4"	1 3/16"	23/16"	1/2"	27/16"		2 1/4
			Roller	5.00008.559	3/4"	1 3/16"	23/16"	1/2"	27/16"		2 1/4

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"**.
- Precision Sealed Ball Bearing: To order, change 8th and 9th digits in wheel model to **"P5"** (Example 5.00006.4**P5**). Minimum order quantities apply.
- Pedestal Precision Ball Bearing (PPBB) also available in stainless steel (consult factory).
- 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"**.
- Thread Guards: Specify **"TG1"** (metal), **"TG2"** (plastic).
- Custom colors to match your equipment (consult factory).



Conductive Flat Grey Tread

Capacity up to 250 lbs each



Many computer manufacturers and electronics companies require conductive wheels on assembly carts to eliminate static build-up and discharge. Although conductive caster wheels have existed for years, almost all of them mark floors. Colson has solved this problem with our selection of Performa Conductive Wheels. These models combine a soft cushion ride with a non-marking tread design. All wheels feature a cushion grey Performa tread bonded to a black Polyolefin wheel core. Performa Conductive wheels have been rigorously tested and approved by an independent lab and meet the requirements of federal specification FF-C-88C. This specification requires an average electrical resistance of less than 250,000 ohms. For other wheel sizes, please consult factory for availability.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 75(±5) Durometer Shore A scale.

Colson Performa Conductive Rubber Wheels • Flat Grey Tread • Capacity up to 250 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
2½"	1¼"	125	Ball	2.00002.445 COND	3/8"	—	1½"	—	—	3/8
3"	1¼"	200	Ball	2.00033.445 COND	3/8"	—	1½"	—	—	½
3½"	1¼"	200	Ball	2.00003.445 COND	3/8"	—	1½"	—	—	½
4"	1¼"	250	Ball	2.00004.445 COND	3/8"	—	1½"	—	—	¾
5"	1¼"	325	Ball	2.00005.445 COND	3/8"	—	1½"	—	—	7/8
6"	1¼"	350	Ball	2.00006.445 COND	3/8"	—	1½"	—	—	1

Note: Extended delivery item. Consult Factory.

Conductive Round Grey Tread

Capacity up to 250 lbs each



Colson Performa Conductive Rubber Wheels • Round Grey Tread • Capacity up to 250 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3½"	1⅝"	250	Ball	2.00003.565 COND	3/8"	—	1½"	—	—	5/8
5"	1⅝"	325	Ball	2.00005.565 COND	3/8"	—	1½"	—	—	1

Note: Extended delivery item. Consult Factory.

IMPORTANT NOTICE

As oil is injurious to compounds and impairs the electrical conductivity of these products, contact with oil should be avoided. Conductive characteristics of the tread compounds may decrease with, among other things, service and contact with lubricants, waxes, polishes and cleaning materials used for floor maintenance. Since Colson has no control over these conditions, no warranties, express or implied, of either merchantability, fitness or otherwise respect to the continuing level of conductivity of the product, are made.



Performa® Rubber Conductive Wheels



Conductive Flat Grey Tread

Capacity up to 500 lbs each



Many computer manufacturers and electronics companies require conductive wheels on assembly carts to eliminate static build-up and discharge. Although conductive caster wheels have existed for years, almost all of them mark floors. Colson has solved this problem with our selection of Performa Conductive Wheels. These models combine a soft cushion ride with a non-marking tread design. All wheels feature a cushion grey Performa tread bonded to a black Polyolefin wheel core. Performa Conductive wheels have been rigorously tested and approved by an independent lab and meet the requirements of federal specification FF-C-88C. This specification requires an average electrical resistance of less than 250,000 ohms. For other wheel sizes, please consult factory for availability.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 75(±5) Durometer Shore A scale.

Colson Performa Conductive Rubber Wheels • Flat Grey Tread • Capacity up to 500 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/2"	225	Roller	4.00003.449 COND	3/4"	13/16"	15/8"	1/2"	27/16"	1
4"	1 1/2"	255	Roller	3.00004.449 COND	3/4"	13/16"	15/8"	3/8"	17/8"	1 1/4
			Roller	4.00004.449 COND	3/4"	13/16"	15/8"	1/2"	27/16"	1 1/4
	2"	300	PPBB	5.00004.455 COND	1/2"	13/16"	27/16"	—	—	1 1/2
			Roller	5.00004.459 COND	3/4"	13/16"	23/16"	1/2"	27/16"	1 1/2
5"	1 1/2"	280	Roller	3.00005.449 COND	3/4"	13/16"	15/8"	3/8"	17/8"	1 1/4
			Roller	4.00005.449 COND	3/4"	13/16"	15/8"	1/2"	27/16"	1 1/4
	2"	325	PPBB	5.00005.455 COND	1/2"	13/16"	27/16"	—	—	1 1/2
			Roller	5.00005.459 COND	3/4"	13/16"	23/16"	1/2"	27/16"	1 1/2
6"	1 1/2"	300	Roller	3.00006.449 COND	3/4"	13/16"	15/8"	3/8"	17/8"	1 3/4
			Roller	4.00006.449 COND	3/4"	13/16"	15/8"	1/2"	27/16"	1 3/4
	2"	410	PPBB	5.00006.455 COND	1/2"	13/16"	27/16"	—	—	1 3/4
			Roller	5.00006.459 COND	3/4"	13/16"	23/16"	1/2"	27/16"	1 3/4
8"	1 1/2"	350	Roller	4.00008.449 COND	3/4"	13/16"	15/8"	1/2"	27/16"	2 1/4
			PPBB	5.00008.455 COND	1/2"	13/16"	27/16"	—	—	2 1/4
	2"	500	Roller	5.00008.459 COND	3/4"	13/16"	23/16"	1/2"	27/16"	2 1/2

Note: Extended delivery item. Consult Factory.

Wheel Options

- Pedestal Precision Ball Bearing (PPBB) also available in stainless steel (consult factory).

Conductive Round Grey Tread

Capacity up to 500 lbs each



Wheel Options

- Pedestal Precision Ball Bearing (PPBB) also available in stainless steel (consult factory).

Note: Extended delivery item. Consult Factory.

Colson Performa Conductive Rubber Wheels • Round Grey Tread • Capacity up to 500 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
6"	2"	410	PPBB	5.00006.555 COND	1/2"	13/16"	27/16"	—	—	15/8
			Roller	5.00006.559 COND	3/4"	13/16"	23/16"	1/2"	27/16"	15/8
8"	2"	500	PPBB	5.00008.555 COND	1/2"	13/16"	27/16"	—	—	2 1/4
			Roller	5.00008.559 COND	3/4"	13/16"	23/16"	1/2"	27/16"	2 1/2

IMPORTANT NOTICE

As oil is injurious to compounds and impairs the electrical conductivity of these products, contact with oil should be avoided. Conductive characteristics of the tread compounds may decrease with, among other things, service and contact with lubricants, waxes, polishes and cleaning materials used for floor maintenance. Since Colson has no control over these conditions, no warranties, express or implied, of either merchantability, fitness or otherwise respect to the continuing level of conductivity of the product, are made.



Flat Tread

Capacity up to 350 lbs each



Center Hub Design. This black tread wheel is a light weight, high performance hand truck wheel that rolls longer, quieter and smoother without marking floors. The exclusive wheel design features a zerk fitting for the wheel bearing and provides maximum rolling ease for greater maneuverability on the job. The exclusive wheel tread material won't pick up gravel or floor debris, and this wheel performs better than a pneumatic tire...yet never goes flat! Like all of our Performa models, the wheel provides maximum shock absorption for a cushioned ride and will not flatspot... even under load. The materials give superior weather resistance and lower temperature flexibility, as well as a high resistance to chemicals, acids, water and steam.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 55(±5) Durometer Shore A scale.

Colson Performa Hand Truck Wheels • Flat Tread • Capacity up to 350 lbs each

Black Tread Models			Bearing	Wheel Model Number	Specify Bore Code	Wheel		Hub		Weight (Pounds)
Wheel Dia.	Tread Width	Capacity Each (Pounds)				Bearing Bore	Bore Less Bearing	Length Less Bearing	Length With Bearing	
8"	1 1/2"	350	None	4.00008.486.2	None	N/A	1 3/8"	1 5/8"	1 7/8"	2 1/4
			Prec. Ball	4.00008.485.2	WB625	5/8"	1 3/8"	1 5/8"	1 7/8"	2 1/4
			Prec. Ball	4.00008.485.2	WB750	3/4"	1 3/8"	1 5/8"	1 7/8"	2 1/4

Round Tread

Capacity up to 500 lbs each



Offset hub design. This black or grey tread wheel is a light weight, high performance hand truck wheel that rolls longer, quieter and smoother without marking floors. The exclusive wheel design features a zerk fitting for the wheel bearing and provides maximum rolling ease for greater maneuverability on the job. The exclusive wheel tread material won't pick up gravel or floor debris, and this wheel performs better than a pneumatic tire...yet never goes flat! Like all of our Performa models, the wheel provides maximum shock absorption for a cushioned ride and will not flatspot... even under load. The materials give superior weather resistance and lower temperature flexibility, as well as a high resistance to chemicals, acids, water and steam.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 55(±5) Durometer Shore A scale.

Colson Performa Hand Truck Wheels • Round Tread • Capacity up to 500 lbs each

Black Tread Models			Bearing	Wheel Model Number	Specify Bore Code	Wheel		Hub		Weight (Pounds)
Wheel Dia.	Tread Width	Capacity Each (Pounds)				Bearing Bore	Bore Less Bearing	Length Less Bearing	Length With Bearing	
8"	2"	500	Prec. Ball	5.00008.585.2	WB625	5/8"	1 3/8"	1 3/4"	2"	2 1/4
			Prec. Ball	5.00008.585.2	WB750	3/4"	1 3/8"	1 3/4"	2"	2 1/4
			None	5.00008.596.2	None	N/A	1 3/8"	2"	2 1/4"	2 1/4
			Prec. Ball	5.00008.595.2	WB625	5/8"	1 3/8"	2"	2 1/4"	2 1/4
			Prec. Ball	5.00008.595.2	WB750	3/4"	1 3/8"	2"	2 1/4"	2 1/4

Grey Tread Models

8"	2"	500	None	5.00008.586	None	N/A	1 3/8"	1 3/4"	N/A	2 1/4
			Prec. Ball	5.00008.585	WB625	5/8"	1 3/8"	1 3/4"	2"	2 1/4
			Prec. Ball	5.00008.585	WB750	3/4"	1 3/8"	1 3/4"	2"	2 1/4
			None	5.00008.596	None	N/A	1 3/8"	2"	2 1/4"	2 1/4
			Prec. Ball	5.00008.595	WB625	5/8"	1 3/8"	2"	2 1/4"	2 1/4
			Prec. Ball	5.00008.595	WB750	3/4"	1 3/8"	2"	2 1/4"	2 1/4



Cushion & Hard Rubber Wheels

Capacity up to 100 lbs each



Conventional-style rubber wheels. Provides good floor protection and quiet operation.

Temperature range: -20°F to +160°F.

Hardness: Soft Tread 70 (±5) Durometer Shore A scale, Hard Tread 75 (±5) Durometer Shore D scale.

Colson Cushion & Hard Rubber Wheels • Capacity up to 100 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
2"	7/8"	75	Ball	Soft Tread 1.00002.45	5/16"	–	13/32"	–	–	1/8
		100	Ball	Hard Tread 1.00002.55	5/16"	–	13/32"	–	–	3/16

Wheel Selection

NEW 2 SERIES WHEELS



Precision Performa Flat

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Crowned Grey Tread

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Soft and Hard Rubber

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Precision Polyurethane HI-TECH Grey

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Polyurethane HI-TECH Grey

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Soft and Hard Rubber Wheels

Soft / Hard Rubber Capacity up to 175 lbs each



Protect floors and quiet operation with rubber wheels. Soft rubber is molded to harder rubber core.

Temperature range: -40°F to +180°F intermittent service (120°F continuous service).

Soft Rubber Hardness: 80(±5) Durometer Shore A scale.

Hard Rubber Hardness: 75(±5) Durometer Shore D scale..

Soft Rubber Wheels • BlackTread • Capacity up to 175 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	150	Plain	2.00033.RR2	1/2"	–	1 3/8"	–	–	1/2
3 1/2"	1 1/4"	150	Plain	2.00003.RR2	1/2"	–	1 3/8"	–	–	1/2
4"	1 1/4"	150	Plain	2.00004.RR2	1/2"	–	1 3/8"	–	–	3/4
5"	1 1/4"	175	Plain	2.00005.RR2	1/2"	–	1 3/8"	–	–	7/8

Hard Rubber Wheels • BlackTread • Capacity up to 350 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	350	Plain	2.00033.RN2	1/2"	–	1 3/8"	–	–	1/2
3 1/2"	1 1/4"	350	Plain	2.00003.RN2	1/2"	–	1 3/8"	–	–	1/2
4"	1 1/4"	350	Plain	2.00004.RN2	1/2"	–	1 3/8"	–	–	3/4
5"	1 1/4"	350	Plain	2.00005.RN2	1/2"	–	1 3/8"	–	–	7/8

Moldon Rubber Cast Iron Wheels

Capacity up to 500 lbs each



Moldon rubber is bonded to a cast iron core. These wheels are quiet in operation and absorb shock and vibration. They help prolong equipment life and protect cargo.

Temperature Range: -45°F to +160°F.

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

Zerk Fitting: Zerk grease fitting in hub is standard on wheel model numbers beginning with "7".

Finish: Black painted cast iron wheel core.

Colson Moldon Rubber Cast Iron Wheels • Capacity up to 500 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
4"	2"	400	Delrin	5.00004.641.7	3/4"	13/16"	23/16"	1/2"	27/16"	43/8
			Roller	5.00004.649.7	3/4"	13/16"	23/16"	1/2"	27/16"	43/8
5"	2"	400	Delrin	5.00005.641.7	3/4"	13/16"	23/16"	1/2"	27/16"	5
			Roller	5.00005.649.7	3/4"	13/16"	23/16"	1/2"	27/16"	5
6"	2"	450	Delrin	5.00006.641.7	3/4"	13/16"	23/16"	1/2"	27/16"	55/8
			Roller	5.00006.649.7	3/4"	13/16"	23/16"	1/2"	27/16"	55/8
8"	2"	500	Delrin	5.00008.641.7	3/4"	13/16"	23/16"	1/2"	27/16"	9 1/4
			Roller	5.00008.649.7	3/4"	13/16"	23/16"	1/2"	27/16"	9 1/4

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): Available on 2" tread width wheels. To order change ninth digit in model number to "5" (Example: 5.00006.645.7). Also available in stainless steel, consult factory.



Wheel Selection

Moldon Polyurethane Aluminum Core Wheels

Capacity up to 1500 lbs each



Light-weight and ultra-durable, this wheel has a very high strength-to-weight ratio and is capable of long service under heavy loads. Maroon color polyurethane is permanently bonded to the aluminum core.

Temperature range: -45°F to +180°F.

Hardness: 95(±5) Durometer Shore A scale.

Finish: Aluminum.

Colson Moldon Polyurethane Aluminum Core Wheels • Capacity up to 1500 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		
4"	2"	700	Delrin	5.00004.931	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	2 3/8
			Roller	5.00004.939	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	2 3/8
5"	2"	1000	Delrin	5.00005.931	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57866.01	2 3/8
			Roller	5.00005.939	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2 3/8
6"	2"	1200	Delrin	5.00006.931	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 52001.86	2 5/8
			Roller	5.00006.939	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2 5/8
8"	2"	1500	Delrin	5.00008.931	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.20	4 1/4
			Roller	5.00008.939	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		4 1/4

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 (except 8 Series): Specify **"WSR3"**.
- Thread Guards: Specify **"TG1"** (metal).
- Pedestal Precision Ball Bearing (PPBB): To order change ninth digit in model number to **"5"** (Example: 5.00006.935). Also available in stainless steel, consult factory.

Moldon Polyurethane HI-TECH® Wheels



Capacity up to 300 lbs each



Polyurethane tread is bonded to a polyolefin core. Tread is molded in, around and through a ribbed extension of the core to prevent debonding. Standard colors are maroon tread on grey core. This is a very attractive, all purpose wheel. Resistant to most chemicals, solvents, water and acids.



Wheel Core

Temperature range: -45°F to +180°F.

Hardness: 45(±5) Durometer Shore D scale.

Colson Moldon Polyurethane HI-TECH Maroon Wheels • Capacity up to 350 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		
2 1/2"	1 1/4"	250	Delrin	2.00002.91	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57852	1/4
			Ball	2.00002.95	3/8"	-	1 1/2"	-	-		1/4
3"	7/8"	100	Delrin	1.00003.91	7/16"	5/8"	1 1/32"	5/16"	17/64"	TG1: 57852.03	1/3
	1 1/4"	300	Plain	2.00003.92	-	1 1/2"	17/16"	3/8"	1 1/2"	-	3/8
3 1/2"	1 1/4"	350	Delrin	2.00033.91	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	3/8
			Ball	2.00033.95	3/8"	-	1 1/2"	-	-		3/8
4"	7/8"	125	Delrin	1.00004.91	7/16"	5/8"	1 1/32"	5/16"	17/64"	-	1/2
		350	Delrin	2.00004.91	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	1/2
	Ball		2.00004.95	3/8"	-	1 1/2"	-	-	1/2		
5"	7/8"	140	Delrin	1.00005.91	7/16"	5/8"	1 1/32"	5/16"	17/64"	-	1/2
			350	Delrin	2.00005.91	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57866.03
	Ball	2.00005.95		3/8"	-	1 1/2"	-	-	TG2: 57852.43	3/4	
6"	1 1/4"	350	Delrin	2.00006.91	7/16"	5/8"	1 1/32"	5/16"	17/64"	-	3/8
			Ball	2.00006.95	3/8"	-	1 1/2"	-	-		3/8



Colson Moldon Polyurethane HI-TECH Grey Wheels • Capacity up to 350 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		
2 1/2"	1 1/4"	250	Delrin	2.00002.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57852	1/4
			Ball	2.00002.95G	3/8"	-	1 1/2"	-	-		1/4
3"	1 1/4"	300	Delrin	2.00003.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	-	3/8
			Ball	2.00003.95G	3/8"	-	1 1/2"	-	-	-	3/8
3 1/2"	1 1/4"	350	Delrin	2.00033.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	3/8
			Ball	2.00033.95G	3/8"	-	1 1/2"	-	-		3/8
4"	1 1/4"	350	Delrin	2.00004.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57854.01	1/2
			Ball	2.00004.95G	3/8"	-	1 1/2"	-	-		1/2
5"	1 1/4"	350	Delrin	2.00005.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	TG1: 57866.03	3/4
			Ball	2.00005.95G	3/8"	-	1 1/2"	-	-	TG2: 57852.43	3/4
6"	1 1/4"	350	Delrin	2.00005.91G	1/2"	29/32"	17/16"	3/8"	1 1/2"	-	3/4
			Ball	2.00005.95G	3/8"	-	1 1/2"	-	-	-	3/4

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Custom colors to match your equipment (consult factory).
- Thread Guards: Specify "TG1" (metal), "TG2" (plastic).

Moldon Polyurethane HI-TECH® Wheels (2" width)



Capacity up to 1200 lbs each



Redesigned Polyurethane HI-TECH wheels have increased load capacity!



Industrial strength polyurethane tread is molded to a interlocking "ridged" polyolefin core. This design adds strength for loads subjected to shock and hard impacts. Tread is molded in, around and through a ribbed extension of the core to prevent debonding. Standard colors are maroon tread on grey core.

Not recommended for conditions of continuous operation such as tow-line, etc.

Temperature Range: -45°F to +180°F.

Hardness: 55(±5) Durometer Shore D scale.



Wheel Core



Wheel Selection

Maroon Colson Moldon Polyurethane HI-TECH Wheels • Capacity up to 1200 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		
4"	2"	720	Delrin Roller PPBB*	5.00004.921	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	-	1 1/4
				5.00004.929	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 1/2
				5.00004.925	1/2"	1 3/16"	2 7/16"	-	-		1 1/2
5"	2"	900	Delrin Roller PPBB*	5.00005.921	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.35 TG2: 57852.34	1 1/4
				5.00005.929	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 1/2
				5.00005.925	1/2"	1 3/16"	2 7/16"	-	-		1 1/2
6"	2"	1100	Delrin Roller PPBB*	5.00006.921	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 59042.07 TG2: 57852.29	1 5/8
				5.00006.929	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 7/8
				5.00006.925	1/2"	1 3/16"	2 7/16"	-	-		1 7/8
8"	2"	1200	Delrin Roller PPBB*	5.00008.921	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.04 TG1: 57852.30	2 1/2
				5.00008.929	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2 3/4
				5.00008.925	1/2"	1 3/16"	2 7/16"	-	-		2 3/4

*Pedestal Precision Ball Bearing spanner bushings included. Part number is 56525.02.

Moldon Polyurethane HI-TECH Antimicrobial Grey



New Polyurethane HI-TECH Grey models feature anti-microbial material!



Similar to HI-TECH wheels above, but with the additional benefit of using anti-microbial material for food service and medical applications.



Moldon Polyurethane HI-TECH Grey Anti-Microbial Wheels • Capacity up to 1200 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		
4"	2"	720	Delrin Roller PPBB*	5.00004.921G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	-	1 1/4
				5.00004.929G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 1/2
				5.00004.925G	1/2"	1 3/16"	2 7/16"	-	-		1 1/2
5"	2"	900	Delrin Roller PPBB*	5.00005.921G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.35 TG2: 57852.34	1 1/4
				5.00005.929G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 1/2
				5.00005.925G	1/2"	1 3/16"	2 7/16"	-	-		1 1/2
6"	2"	1100	Delrin Roller PPBB*	5.00006.921G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 59042.07 TG2: 57852.29	1 5/8
				5.00006.929G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 7/8
				5.00006.925G	1/2"	1 3/16"	2 7/16"	-	-		1 7/8
8"	2"	1200	Delrin Roller PPBB*	5.00008.921G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.04 TG1: 57852.30	2 1/2
				5.00008.929G	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2 3/4
				5.00008.925G	1/2"	1 3/16"	2 7/16"	-	-		2 3/4

*Pedestal Precision Ball Bearing spanner bushings included. Part number is 56525.02. Sealed version available, see note below.

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Metal cage roller bearing: Specify "WB29".
- 1-Piece Delrin Bearing with Bushing (2" tread width): Specify "WB11".
- Torrington style with Hytrel retainer (2" tread width): Specify "WB19".
- 1-Piece Delrin Bearing less Bushing (2" tread width): Specify "WB11B".
- 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".
- Thread Guards: Specify "TG1" (metal).
- Custom colors to match your equipment (consult factory).
- Pedestal Precision Ball Bearing (PPBB): Also available in stainless steel, consult factory.
- Sealed Precision Ball Bearing: Specify "P5". Minimum order quantities apply.

Polyurethane HI-TECH® Wheels (1-1/2", 2-1/2" & 3" widths)



Capacity up to 1700 lbs each



Industrial strength polyurethane tread is bonded to a "ribbed" polyolefin core. This design adds strength for loads subjected to shock and hard impacts. Tread is molded in, around and through a ribbed extension of the core to prevent debonding. Standard colors are maroon tread on grey core. **Not recommended for conditions of continuous operation such as tow-line, etc.**



Wheel Core

Temperature Range: -45°F to +180°F.

Hardness: 55(±5) Durometer Shore D scale.

Colson Moldon Polyurethane HI-TECH Wheels • Capacity up to 1700 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	Thread Guard TG1: Metal	Weight (Pounds)
3"	1 1/2"	300	Delrin	3.00003.901	3/4"	13/16"	15/8"	3/8"	17/8"	-	3/4
			Roller	3.00003.909	3/4"	13/16"	15/8"	3/8"	17/8"	-	1
			Delrin	4.00003.911	3/4"	13/16"	15/8"	1/2"	27/16"	-	3/4
			Roller	4.00003.919	3/4"	13/16"	15/8"	1/2"	27/16"	-	1
4"	1 1/2"	400	Delrin	3.00004.901	3/4"	13/16"	15/8"	3/8"	17/8"	-	1
			Roller	3.00004.909	3/4"	13/16"	15/8"	3/8"	17/8"	-	1 1/4
			Delrin	4.00004.911	3/4"	13/16"	15/8"	1/2"	27/16"	TG1: 57852.23	1
			Roller	4.00004.919	3/4"	13/16"	15/8"	1/2"	27/16"		1 1/4
5"	1 1/2"	500	Delrin	3.00005.901	3/4"	13/16"	15/8"	3/8"	17/8"	TG1: 57852.10	1 1/4
			Roller	3.00005.909	3/4"	13/16"	15/8"	3/8"	17/8"		1 1/2
			Delrin	4.00005.911	3/4"	13/16"	15/8"	1/2"	27/16"	TG1: 57852.11	1 1/4
			Roller	4.00005.919	3/4"	13/16"	15/8"	1/2"	27/16"		1 1/2
6"	1 1/2"	600	Delrin	3.00006.901	3/4"	13/16"	15/8"	3/8"	17/8"	TG1: 57852.08	1 1/2
			Roller	3.00006.909	3/4"	13/16"	15/8"	3/8"	17/8"		1 3/4
			Delrin	4.00006.911	3/4"	13/16"	15/8"	1/2"	27/16"	TG1: 52001.86	1 1/2
			Roller	4.00006.919	3/4"	13/16"	15/8"	1/2"	27/16"		1 3/4
8"	1 1/2"	800	Delrin	4.00008.911	3/4"	13/16"	15/8"	1/2"	27/16"	TG1: 57852.05	2 1/4
			Roller	4.00008.919	3/4"	13/16"	15/8"	1/2"	27/16"		2 1/2
10"	2 1/2"	1200	Delrin	7.00010.951	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	6
			Roller	7.00010.959	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	6 1/4
12"	3"	1700	Delrin	7.00012.981	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	7
			Roller	7.00012.989	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	7 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".
- Thread Guards: Specify "TG1" (metal).
- Custom colors to match your equipment (consult factory).
- Pedestal Precision Ball Bearing (PPBB): Available on 1 1/2" and 2" tread width models. To order change ninth digit in model number to "5" (Example: 5.00006.925). Also available in stainless steel, consult factory.

Precision Polyurethane HI-TECH Wheels (Grey)



Capacity up to 300 lbs each



Polyurethane tread is bonded to a polyolefin core. Wheels come standard ball bearings and thread guards. This is a very attractive, all purpose wheel. Resistant to most chemicals, solvents, water and acids.

Temperature range: -45°F to +180°F.
Hardness: 45(±5) Durometer Shore D scale.

Precision Polyurethane HI-TECH Grey Wheels • Grey Tread • Capacity up to 350 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	300	Precision Ball	2.00033.9P8	3/8"	-	1 1/2"	-	-	5/16
3 1/2"	1 1/4"	350	Precision Ball	2.000039P8	3/8"	-	1 1/2"	-	-	5/16
4"	1 1/4"	350	Precision Ball	2.000049P8	3/8"	-	1 1/2"	-	-	3/8
5"	1 1/4"	350	Precision Ball	2.000059P8	3/8"	-	1 1/2"	-	-	3/4

K-Wheel Solid Polyurethane

Capacity up to 1500 lbs each



Crafted from a durable urethane compound known for its robustness, this solid wheel guarantees complete eradication of tread separation or debonding issues. Solid polyurethane wheels offer a smooth ride, are non-marking, and provide excellent floor protection. Moreover, they remain unaffected by grease, oils, most chemicals, and cleaning solutions, making them suitable for diverse applications. Additionally, they are 100% washable and steam cleanable, enhancing their maintenance convenience.

Temperature range: -50°F to +180°F.
Hardness: 55(±5) Durometer Shore D scale.

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/4"	300	Plain	2.00033.KK2	7/16"	5/8"	1 1/32"	3/8"	1 1/2"	3/8
4"	1 1/4"	350	Plain	2.00004.KK2	7/16"	5/8"	1 1/32"	3/8"	1 1/2"	1/2
	2"	700	Precision Ball	5.00004.935 KW	1/2"	1 3/16"	2 3/16"	-	-	1 3/8
	2"	700	Delrin	5.00004.931 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	1 3/8
	2"	700	Roller	5.00004.939 KW	3/4"	-	2 3/16"	1/2"	2 7/16"	1 3/8
5"	1 1/4"	350	Plain	5.00005.KK2	7/16"	5/8"	1 1/32"	3/8"	1 1/2"	3/4
	2"	1000	Precision Ball	5.00005.935 KW	1/2"	1 3/16"	2 3/16"	-	-	1 3/4
	2"	1000	Delrin	5.00005.931 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	1 3/4
	2"	1000	Roller	5.00005.939 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	1 3/4
6"	2"	1200	Precision Ball	5.00006.935 KW	1/2"	1 3/16"	2 3/16"	-	-	2
	2"	1200	Delrin	5.00006.931 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	2
	2"	1200	Roller	5.00006.939 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	2
8"	2"	1500	Precision Ball	5.00006.935 KW	1/2"	1 3/16"	2 3/16"	-	-	3 1/4
	2"	1500	Delrin	5.00006.931 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	3 1/4
	2"	1500	Roller	5.00006.939 KW	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	3 1/4

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Metal cage roller bearing: Specify "WB29".
- 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 also available in stainless steel, consult factory.

Wheel Selection

Moldon Polyurethane Cast Iron Core Wheels

Capacity up to 1500 lbs each



This is a strong, ultra-durable wheel. It has a very high strength-to-weight ratio and is capable of long service under heavy loads. Maroon color polyurethane is bonded to the cast iron core.

Temperature Range: -45°F to +180°F.

Hardness: 95(±5) Durometer Shore A scale.

Finish: Silver paint (wheel core).

Wheel Selection

Colson Moldon Polyurethane Cast Iron Core Wheels • Capacity up to 3500 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
4"	2"	700	Delrin	5.00004.941.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	4 3/4
			Roller	5.00004.949.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	4 3/4
5"	2"	1000	Delrin	5.00005.941.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	5
			Roller	5.00005.949.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	5
6"	2"	1200	Delrin	5.00006.941.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	5 5/8
			Roller	5.00006.949.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	5 5/8
8"	2"	1500	Delrin	5.00008.941.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	9 1/4
			Roller	5.00008.949.7	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	9 1/4

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): Available on 2" tread width wheels. To order change ninth digit in model number to "5" (Example: 5.00006.945.7). Also available in stainless steel, consult factory.



Endura® Solid Elastomer Wheels



Capacity up to 1200 lbs each



When you need a wheel to roll easily under heavy loads, Colson offers the perfect solution. Endura wheels out-perform most conventional caster wheels on the market. The secret is Colson's solid "monoform" wheel construction. With this unique design, wheel tread and core are molded as a single unit. This eliminates wheel tread separation and bond failure.

Colson's exclusive solid elastomer compound delivers greater durability than conventional metal, rubber, plastic, polyurethane and phenolic wheels.

Colson's severe and comprehensive test procedures prove Endura wheels outlast competitive solid elastomer wheels by more than 50%! Colson test results also show that Endura wheels start rolling, keep rolling, and swivel easier than our competitors.

Even in continuous operation, these wheels produce extremely low heat build-up making them perfect for tow-line applications (precision ball bearings required).

Endura wheels resist most chemicals, oils, greases, petroleum products and solvents. In addition, Endura non-marking wheels offer excellent resistance to chipping, cracking and flat-spotting. Superior impact strength and abrasion resistance further enhance durability.

Temperature range: -45F° to +230°F.

Hardness: 63(±5) Durometer Shore D scale.

Colson Endura Solid Elastomer Wheels • Capacity up to 1200 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		
4"	2"	1000	Delrin	5.00004.831 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.11	1 3/8
			Roller	5.00004.839 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 3/8
			Prec. Ball*	5.00004.8P5 EN	—	—	2 3/16"	1/2"	2 7/16"		1 3/8
5"	2"	1000	Delrin	5.00005.831 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 52007.94	1 3/4
			Roller	5.00005.839 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 3/4
			Prec. Ball*	5.00005.8P5 EN	—	—	2 3/16"	1/2"	2 7/16"		1 3/4
6"	2"	1100	Delrin	5.00006.831 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57551.05	2
			Roller	5.00006.839 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2
			Prec. Ball*	5.00006.8P5 EN	—	—	2 3/16"	1/2"	2 7/16"		2
8"	2"	1200	Delrin	5.00008.831 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57551.05	3 1/4
			Roller	5.00008.839 EN	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		3 1/4
			Prec. Ball*	5.00008.8P5 EN	—	—	2 3/16"	1/2"	2 7/16"		3 1/4

*Spanner bushing included. Part number is 56525.02.

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Metal cage roller bearing: Specify "WB29".
- 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".
- Thread Guards: Specify "TG1" (metal).
- Pedestal Precision Ball Bearing (PPBB): To order change ninth digit in roller bearing model number to "5" (Example: 5.00006.835.EN). Also available in stainless steel, consult factory.

HydroTech™ Water-Resistant TPE Alloy Wheels



Capacity up to 1000 lbs each

HYDROTECH™ Water-Resistant TPE Alloy Wheels



- The innovative new TPE alloy HYDROTECH™ wheels are formulated and designed to withstand continuous exposure to moisture, significantly increasing life expectancy compared to TPU
- Fusion bonded to prevent tread separation and reduce noise related to mechanical interlock failures
- Same load capacity and rollability as TPU
- Excellent abrasion resistant
- USA-made wheel is built to last and backed with confidence (industry leading 3-year warranty)

Temperature range: -45°F to +180°F.

Hardness: 40 ±(5) Shore D

Finish: Specially formulated TPE tread on polyolefin core.

HydroTech Water-Resistant TPE Alloy Wheels with Standard Bearings • Capacity up to 1000 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		
4"	2"	600	Plain Bore	WH4X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	504000HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	504000HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	504000HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
5"	2"	750	Plain Bore	WH5X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	505000HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	505000HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	505000HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
6"	2"	900	Plain Bore	WH6X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	506000HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	506000HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	506000HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
8"	2"	1000	Plain Bore	WH8X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	508000HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	508000HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	508000HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—



HYDROTECH™ INTRODUCING... the ultimate Water-Resistant TPE wheel for the outdoors

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Metal cage roller bearing: Specify "WB29".
- Roller bearing metal thrust & retainer washers: Specify "WSR1".
- Custom colors to match your equipment (consult factory).
- 1-Piece Delrin Bearing with Bushing (2" tread width): Specify "WB11".
- Torrington style with Hytrel retainer (2" tread width): Specify "WB19".
- Roller bearing sintered iron step washers: Specify "WSR2".
- Pedestal Precision Ball Bearing (PPBB): To order standard or stainless steel consult factory.
- 1-Piece Delrin Bearing less Bushing (2" tread width): Specify "WB11B".
- Roller Bearing less Bushing: Specify "WB09B".
- Roller bearing sealed metal retainer washer: Specify "WSR3".
- Thread Guards: Specify "TG1" (metal).



Capacity up to 1000 lbs each
(Continued from previous page)

HydroTech Water-Resistant TPE Alloy with Stainless Steel Bearings • Capacity up to 1000 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		
4"	2"	600	Plain Bore	WH4X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	504040HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	504040HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	504040HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
5"	2"	750	Plain Bore	WH5X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	505040HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	505040HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	505040HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
6"	2"	900	Plain Bore	WH6X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	506040HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	506040HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	506040HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—
8"	2"	1000	Plain Bore	WH8X2TPE19	—	1 3/16"	2 3/16"	—	—	—	—
			Delrin	508040HF1	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Roller	508040HF9	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	—	—
			Prec. Ball	508040HF5	1/2"	1 3/16"	2 7/16"	—	—	—	—

HydroTech Chemical Chart

Organics & Solvents		Methylene chloride	X	Acids		Sulfuric, 78%	F
Acetone	G	Methyl ethyl ketone	F	Acetic, 10-50%	G	Tannic	G
Alcohol, butyl	G	Oakite (floor cleaner)	E	Acetic, 75%	G	Alkalies	
Alcohol, ethyl	G	Orangeve	X	Acetic, glacial	G	Tartaric	F
Alcohol, methyl	G	Naptha	F	Boric	G	Ammonium hydroxide	G
Aniline	G	Nitrobenzene	X	Butyric	G	Calcium hydroxide	G
Benzene	X	Phenol	X	Chromic	F	Potassium hydroxide	G
Bravo (wax stripper diluted)	E	Toluene	X	Citric	F	Sodium hydroxide	G
Carbon disulfide	X	Trichloroethylene	X	Fluoboric	G	Salts	
Carbon tetrachloride	X	Varsol	X	Hydrobromic, 25%	G	Acid salts	G-F
Chlorobenzene	X	Vestalene (detergent diluted)	E	Hydrochloric, 10%	G	Alkaline salts	G
Chloroform	X	Urine	E	Hydrofluoric	F	Neutral salts	G
Colson 45 lubricant	G	Gases		Lactic	F	Miscellaneous salts:	
Enclean SS-2 (parts cleaner)	X	Carbon dioxide	G	Nitric, 5%	G	Potassium dichromate	G
Ethyl acetate	F	Carbon monoxide	G	Nitric, 65%	X	Potassium permanganate	G
Ethylene chloride	G	Chlorine, wet	F	Oleic	G	Salt water	G
Ethylene dichloride	F	Chlorine, dry	F	Oleum	X	Sodium cyanide	G
Ethyl ether	G	Hydrogen sulfide	G	Oxalic	G	Sodium ferricyanide	G
Formaldehyde, 37%	X	Sulfur dioxide, wet	F	Phosphoric, 25%	G	Sodium hypochlorite	G
Gasoline	X	Sulfur dioxide, dry	F	Phosphoric, 85%	G		
Heptane	X			Sulfuric, 10%	G		

E=Excellent G=Good F=Fair X=Unacceptable

This chart lists an extensive range of chemicals, solvents and gases. Examine the listings in this chart to determine if your application is considered compatible with HydroTech wheels. Ratings are at 72°F. Concentrations of aqueous solutions are saturated except where noted. Information in this chart is based on laboratory tests and results may vary in actual caster applications. Field testing is recommended to confirm compatibility with your particular application. For information on the compatibility of other fluids and chemicals, please contact the factory.

Introducing HYDROTECH: The New Innovative TPE Alloy

HydroTech water-resistant wheels are essential for industries where water, moisture, and humidity are present.

One of the standout features of the HydroTech wheel is its ability to withstand moisture. Many wheels crack, fall apart, or become unusable with continuous exposure to water, but HydroTech's TPE alloy ensures the wheel maintains its strength and durability, even in wet or humid environments.

Hydrolysis is a chemical reaction that occurs when water molecules

break down the chemical bonds in a material. The TPE alloy used in the HydroTech wheel is specifically formulated to resist hydrolysis due to its unique formulation and fusion-bonded construction. This makes it a great choice for a variety of applications, including box stores, medical facilities, and industrial settings.

The HydroTech wheel has the same load capacity and rollability as TPU, making it an ideal choice for applications that require high-

performance wheels. It also features a design that prevents tread separation and reduces noise related to mechanical interlock failures, ensuring durability and reliability in tough conditions.

The HydroTech wheel comes with an industry-leading 3-year warranty, making it a top choice for industries that require high-performance wheels that can withstand tough conditions, including moisture and hydrolysis.

Wheel Selection

Maxim® Wheels

Capacity up to 1400 lbs each



Colson Maxim Wheels feature an exclusive, ultra-tough thermoplastic compound that resists hard impacts and drop-shocks. The wheel is impervious to most chemicals, solvents, salts, gases, alkalines and steam cleaning and does not absorb water. When compared to other hard tread wheels, Maxim wheels require less force to roll and swivel. It is ideal for many industrial and institutional applications and is NSF listed for the food service industry. The wheel is non-marking.

Temperature range: -45°F to +180°F (normal). To +350°F if you specify a bronze or roller bearing with mid-temp grease.

Hardness: 85(±5) Durometer Shore D scale.

Colson Maxim Wheels • Capacity up to 1400 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearings	Wheel Model Number	Wheel			Spanner Bushing		Thread Guard TG1: Metal	Weight (Pounds)	
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length			
3 1/4"	2"	700	Delrin	5.00003.531	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	5/8	
			Roller	5.00003.539	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	5/8	
4"	1 1/2"	600	Delrin	3.00004.501	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	–	7/8	
			Roller	3.00004.509	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	–	7/8	
	1 1/2"	600	Delrin	4.00004.511	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	–	7/8	
			Roller	4.00004.519	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	–	7/8	
		2"	800	Delrin	5.00004.531	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	1
				Roller	5.00004.539	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	1
5"	2"	1000	Delrin	5.00005.531	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.45	1 1/4	
			Roller	5.00005.539	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.45	1 1/4	
6"	2"	1200	Delrin	5.00006.531	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.46	1 1/2	
			Roller	5.00006.539	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.46	1 1/2	
8"	2"	1400	Delrin	5.00008.531	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	2	
			Roller	5.00008.539	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	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"**.
- 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 sealed metal retainer washer: Specify **"WSR3"**.
- Bronze Bearing: To order, change 9th digit in model number to **"4"** (Example: 5.00006.534).
- Pedestal Precision Ball Bearing (PPBB): To order change 9th digit in model number to **"5"** (Example: 5.00006.535). Also available in stainless steel, consult factory.

Capacity up to 1100 lbs each



Thermo wheels feature a standard operating temperature range from -70°F (continuous service) to +525°F (intermittent service, +480°F continuous service). These wheels are molded from an exclusive engineered resin compound that offers non-marking floor protection, near zero water absorption, high load capacities and long service life. A special manufacturing process enables the wheels to retain a consistent bearing bore even when exposed to elevated temperatures. Furthermore, Thermo wheels are 100% recyclable, and they are highly resistant to animal fats, vegetable oils and salt solutions. The life expectancy of Thermo wheels is three times longer than high-temp phenolic wheels, and they offer an equal load capacity. Unlike high-temp phenolic wheels, Colson Thermo wheels have no outer skin that can break and absorb water or other fluids.

Temperature range: -70°F to +525°F intermittent service (+480°F continuous service).

Hardness: 85(±5) Durometer Shore D scale.

Colson Thermo Wheels • Capacity up to 1100 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length	
3"	1 1/2"	600	Plain	4.00003.812 HT	—	3/4"	1 3/4"	1/2"	27/16"	1/2
			Less Bearing	4.00003.816 HT	—	1 3/16"	1 5/8"	—	—	1/2
			Roller	4.00003.819 HT	3/4"	1 3/16"	1 5/8"	1/2"	27/16"	1/2
3 1/2"	1 1/4"	300	Plain	2.00003.52 HT	—	1/2"	17/16"	3/8"	1 1/2"	3/8
4"	1 1/4"	300	Plain	2.00004.52 HT	—	1/2"	17/16"	3/8"	1 1/2"	3/4
			Plain	4.00004.812 HT	—	3/4"	1 3/4"	1/2"	27/16"	3/4
	1 1/2"	700	Less Bearing	4.00004.816 HT	—	1 3/16"	1 5/8"	—	—	3/4
			Roller	4.00004.819 HT	3/4"	1 3/16"	1 5/8"	1/2"	27/16"	3/4
	2"	800	Plain	5.00004.832 HT	—	3/4"	2 3/8"	1/2"	27/16"	3/4
			Less Bearing	5.00004.836 HT	—	1 3/16"	2 3/16"	—	—	3/4
Roller	5.00004.839 HT	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	3/4			
5"	1 1/4"	325	Plain	2.00005.52 HT	—	1/2"	17/16"	3/8"	1 1/2"	1
			Plain	4.00005.812 HT	—	3/4"	1 3/4"	1/2"	27/16"	3/4
	1 1/2"	800	Less Bearing	4.00005.816 HT	—	1 3/16"	1 5/8"	—	—	3/4
			Roller	4.00005.819 HT	3/4"	1 3/16"	1 5/8"	1/2"	27/16"	3/4
	2"	1000	Plain	5.00005.832 HT	—	3/4"	2 3/8"	1/2"	27/16"	1
			Less Bearing	5.00005.836 HT	—	1 3/16"	2 3/16"	—	—	1
Roller	5.00005.839 HT	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	1			
6"	2"	1100	Plain	5.00006.832 HT	—	3/4"	2 3/8"	1/2"	27/16"	12/3
			Less Bearing	5.00006.836 HT	—	1 3/16"	2 3/16"	—	—	12/3
			Roller	5.00006.839 HT	3/4"	1 3/16"	2 3/16"	1/2"	27/16"	12/3

Wheel Options

- Bronze bearing: To order, change 9th digit in model number to "4" (Example: 5.00005.834 HT).



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.

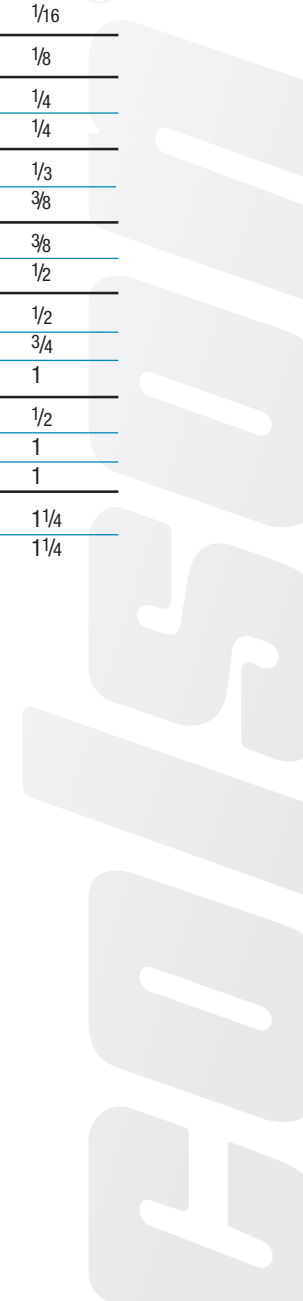
Hardness: 70(±5) Durometer Shore D scale.

Colson Polyolefin Wheels • Capacity up to 350 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"	280	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"	350	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"	350	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	1
6"	1 1/4"	350	Delrin	2.00006.52	1/2"	29/32"	1 7/16"	3/8"	1 1/2"	–	1 1/4
			Ball	2.00006.55	3/8"	29/32"	1 1/2"	–	–	–	1 1/4

Wheel Options

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





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

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.



Phenolic Wheels



Capacity up to 800 lbs each



This phenolic resin wheel is filled with macerated fabric and is quieter than steel or aluminum, while providing superior floor protection. It is resistant to hard impacts, most chemicals and steam. The standard color is black.

Temperature range: -45°F to +180°F. If metal washers specified: -45°F to +250°F (Roller and Ball bearings only).

Hardness: 90 (±5) Shore D scale.

Colson Phenolic Wheels • Capacity up to 800 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		
2 1/2"	1 7/16"	300	Roller	2.00002.319	5/8"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	5/8
3"	1 15/32"	300	Roller	2.00003.309	5/8"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	3/4
	1 1/2"	500	Delrin	3.00003.301	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	1
			PPBB	3.00003.305	3/8"	1 3/16"	1 7/8"	—	—	—	1
			Roller	3.00003.309	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	1
			Delrin	4.00003.311	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	—	7/8
			PPBB	4.00003.315	1/2"	1 3/16"	1 7/8"	—	—	—	7/8
	Roller	4.00003.319	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	—	7/8		
1 1/4"	350	Roller	2.00033.319	1/2"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	3/4	
3 1/2"	1 1/4"	350	Roller	2.00003.319	1/2"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	3/4
4"	1 1/4"	350	Roller	2.00004.319	1/2"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	3/4
	1 1/2"	600	Delrin	3.00004.301	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 57852.10	1
			PPBB	3.00004.305	3/8"	1 3/16"	1 7/8"	—	—		1
			Roller	3.00004.309	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"		1
			Delrin	4.00004.311	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	1 1/8	
			PPBB	4.00004.315	1/2"	1 3/16"	1 7/8"	—	—	TG1: 57852.11	1 1/8
	Roller	4.00004.319	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	1 1/8			
5"	1 1/4"	350	Roller	2.00005.319	1/2"	1 1/16"	1 1/2"	3/8"	1 17/32"	—	1 1/4
	1 1/2"	600	Delrin	3.00005.301	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 57852.08	1
			PPBB	3.00005.305	3/8"	1 3/16"	1 7/8"	—	—		1
			Roller	3.00005.309	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"		1
			Delrin	4.00005.311	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	1 1/2	
			PPBB	4.00005.315	1/2"	1 3/16"	1 7/8"	—	—	TG1: 52001.86	1 1/2
	Roller	4.00005.319	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	1 1/2			
6"	1 1/2"	800	Delrin	3.00006.301	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 52250.56	1 3/4
			PPBB	3.00006.305	3/8"	1 3/16"	1 7/8"	—	—		1 3/4
			Roller	3.00006.309	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"		1 3/4
			Delrin	4.00006.311	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	2	
			PPBB	4.00006.315	1/2"	1 3/16"	1 7/8"	—	—	TG1: 57551.05	2
			Roller	4.00006.319	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"		2

Wheel Options

- Delrin Bearing Less Bushing: Specify **"WB01B"**.
- 1-Piece Delrin Bearing with Bushing (2" tread width): Specify **"WB11"**.
- Metal cage roller bearing: Specify **"WB29"**.
- Roller Bearing less Bushing: Specify **"WB09B"**.
- Roller bearing metal thrust & retainer washers: Specify **"WB21"**.
- Roller bearing sintered iron step washers: Specify **"WSR2"**.
- Roller bearing sealed metal retainer washer: Specify **"WSR3"**.
- Pedestal Precision Ball Bearing (PPBB) also available in stainless steel, consult factory.



Capacity up to 1400 lbs each



Phenolic resin wheels are filled with macerated fabric. This wheel provides quieter operation than steel or aluminum, provides superior floor protection, and resists hard impacts, most chemicals and steam. The standard color is black.

Temperature range: -45°F to +180°F. If metal washers specified: -45°F to +250°F (Roller and Ball bearings only).

Hardness: 90 (±5) Shore D scale.

Colson Phenolic Wheels • Capacity up to 1400 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 1/4"	2"	700	Delrin	5.00003.331	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	1 1/8
			Roller	5.00003.339	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	–	1 1/8
4"	2"	800	Delrin	5.00004.331	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 59042.06	1 1/2
			Roller	5.00004.339	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		1 1/2
5"	2"	1000	Delrin	5.00005.331	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 52007.94	2 1/8
			Roller	5.00005.339	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		2 1/8
6"	2"	1200	Delrin	5.00006.331	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 52001.86	3
			Roller	5.00006.339	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		3
8"	2"	1400	Delrin	5.00008.331	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"	TG1: 57852.05	4 3/4
			Roller	5.00008.339	3/4"	1 3/16"	2 3/16"	1/2"	2 7/16"		4 3/4

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: Specify **"WB09B"**.
- Roller Bearing less Bushing: Specify **"WB09B"**.
- Roller bearing metal thrust & retainer washers: Specify **"WSR1"**.
- Roller bearing sealed metal retainer washer: Specify **"WSR3"**.
- Pedestal Precision Ball Bearing (PPBB): Available on 2" tread width wheels. To order change 9th digit in model number to **"5"** (Example: 5.00008.335). Also available in stainless steel, consult factory.
- 1-Piece Delrin Bearing less Bushing (2" tread width): Specify **"WB11B"**.
- Torrington style with Hytrel retainer (2" tread width): Specify **"WB19"**.

Wheel Selection



Cast Iron Wheels

Capacity up to 600 lbs each



This wheel should be specified when excessive load weights are involved and floor protection is not a factor. Its high strength withstands sharp impacts. Cast Iron wheels should not be used if noise is of major concern or if loads are fragile.

Temperature range: -45°F to +180°F. If metal washers specified: -45°F to + 500°F (Roller, Ball and Sleeve bearings only).

Finish: Green alkyd enamel.

Colson Cast Iron Wheels • Capacity up to 600 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		
2 1/2"	1 1/4"	300	Sleeve	2.00002.12	5/8"	—	1 15/32"	3/8"	1 1/2"	TG1: 57854.01	3/4
3"	1 1/4"	300	Sleeve	2.00003.14	5/8"	—	1 15/32"	3/8"	1 1/2"	—	1 1/4
			Delrin	3.00003.101	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 52250.62	2 3/8
	Roller	3.00003.109	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 57852.12	2 3/8		
	Delrin	4.00003.111	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"		TG1: 57852.12	2 3/8	
	Roller	4.00003.119	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"			2 3/8	
3 1/2"	1 1/4"	300	Sleeve	2.00003.12	5/8"	—	1 15/32"	3/8"	1 1/2"	—	1 1/2
4"	1 1/4"	300	Sleeve	2.00004.12	5/8"	—	1 15/32"	3/8"	1 1/2"	—	2
			Delrin	3.00004.101	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	2 1/2
	Roller	3.00004.109	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	2 1/2		
	Delrin	4.00004.111	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	TG1: 52007.94	2 3/8		
	Roller	4.00004.119	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"		2 3/8		
5"	1 1/4"	300	Sleeve	2.00005.12	5/8"	—	1 15/32"	3/8"	1 1/2"	TG1: 57551.02	2 1/4
			Delrin	3.00005.101	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 52250.56	3 1/4
	Roller	3.00005.109	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	TG1: 57551.05	3 1/4		
	Delrin	4.00005.111	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"		TG1: 57551.05	3 1/4	
	Roller	4.00005.119	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"			3 1/4	
6"	1 1/2"	600	Delrin	3.00006.101	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	4
			Roller	3.00006.109	3/4"	1 3/16"	1 5/8"	3/8"	1 7/8"	—	4
			Delrin	4.00006.111	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"	TG1: 57852.04	4
			Roller	4.00006.119	3/4"	1 3/16"	1 5/8"	1/2"	2 7/16"		4

Note: Some cast iron models have solid cores depending on wheel diameter. Consult factory.

Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- Roller Bearing less Bushing: Specify "WB09B".
- Roller bearing metal thrust & retainer washers: Specify "WSR1".
- Roller bearing sealed metal retainer washer: Specify "WSR3".
- Pedestal Precision Ball Bearing (PPBB): Available on 1 1/2" tread width wheels. To order change 9th digit in model number to "5" (Example: 4.00004.115). Also available in stainless steel, consult factory.

Cast Iron Wheels

Capacity up to 1500 lbs each



This wheel should be specified when excessive load weights are involved and floor protection is not a factor. Its high strength withstands sharp impacts. They should not be used if noise is of major concern or if loads are fragile.

Temperature range: -45°F to +180°F. If metal washers specified: -45°F to + 500°F (Roller, Ball & Sleeve bearings only).

Finish: Green alkyd enamel.

Zerk Fitting: Zerk grease fitting in hub is standard on wheel model numbers beginning with "7" and "8".

Colson Cast Iron Wheels • Capacity up to 1500 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		
4"	2"	1000	Delrin	5.00004.131	3/4"	13/16"	23/16"	1/2"	27/16"	TG1: 52007.94	35/8
			Roller	5.00004.139	3/4"	13/16"	23/16"	1/2"	27/16"		35/8
5"	2"	1000	Delrin	5.00005.131	3/4"	13/16"	23/16"	1/2"	27/16"	TG1: 57551.05	51/8
			Roller	5.00005.139	3/4"	13/16"	23/16"	1/2"	27/16"		51/8
6"	2"	1500	Delrin	5.00006.131	3/4"	13/16"	23/16"	1/2"	27/16"	-	53/4
			Roller	5.00006.139	3/4"	13/16"	23/16"	1/2"	27/16"	-	53/4
8"	2"	1500	Delrin	5.00008.131	3/4"	13/16"	23/16"	1/2"	27/16"	-	81/2
			Roller	5.00008.139	3/4"	13/16"	23/16"	1/2"	27/16"	-	81/2

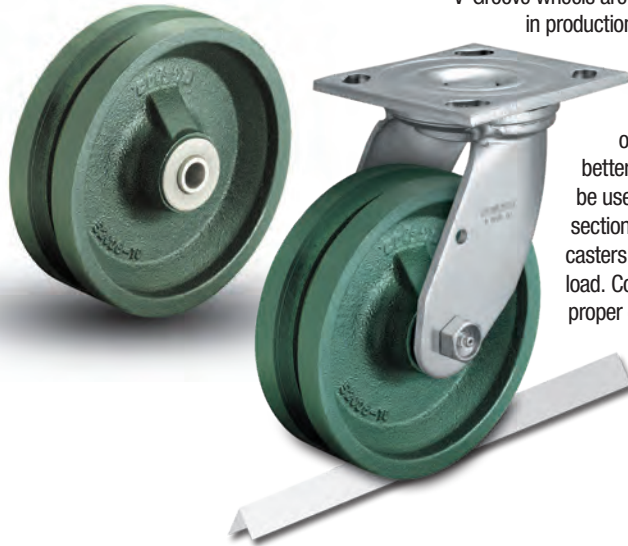
Wheel Options

- 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".
- 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 sealed metal retainer washer: Specify "WSR3".
- Pedestal Precision Ball Bearing (PPBB): Available on 2" tread width models. To order change 9th digit to "5" (Example: 5.00006.135). Also available in stainless steel, consult factory.

V-Groove Wheels



Capacity up to 1200 lbs each



V-Groove wheels are for track or floor operation on inverted angle iron track in production lines. They are also used with hand or conveyor trucks.

V-Groove surface and face are machine finished. These wheels handle loads from 800 to 6,000 lbs. per wheel.

Designed for floor operation, or for track mounted flush or on top of floors, the wheel gives greater flexibility and better use of available floor space. Curves and switches may be used in track operation. Wheels are cast with reinforced section at maximum stress points. The type of track layout and casters are dependent upon floor conditions, area, distance and load. Consult your local Colson representative for advice on the proper caster for the most economic and efficient handling of your particular application.

Temperature range: -45°F to +180°F. If metal washers specified: -45°F to +500°F (Roller bearing only).

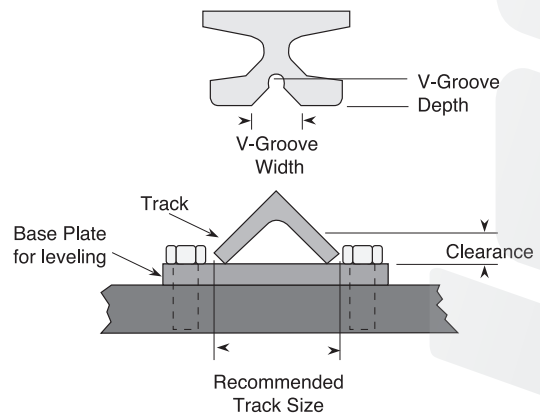
Finish: Green alkyd enamel.

Colson V-Groove Wheels • Capacity up to 1200 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		
4"	2"	800	Delrin	5.00004.731	3/4"	13/16"	23/16"	1/2"	27/16"	TG1: 57852.07	37/8
			Roller	5.00004.739	3/4"	13/16"	23/16"	1/2"	27/16"		37/8
6"	2"	1200	Delrin	5.00006.731	3/4"	13/16"	23/16"	1/2"	27/16"	—	61/4
			Roller	5.00006.739	3/4"	13/16"	23/16"	1/2"	27/16"	—	61/4

Wheel Dia.	Tread Width	V-Groove Width	V-Groove Depth	Recommended Track Size	Clearance
4"	2"	3/4"	3/8"	1 1/2" x 1 1/2"	13/16"
6"	2"	3/4"	3/8"	1 1/2" x 1 1/2"	13/16"

Recommended track size and clearance dimensions are in the chart above. The base plate may be mounted directly to floor or to a cement grouting for leveling track if necessary because of uneven floor conditions.



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".
- 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 sealed metal retainer washer: Specify "WSR3".
- Pedestal Precision Ball Bearing (PPBB): Available on 2" tread width wheels. To order change ninth digit in model number to "5" (Example: 5.00006.735). Also available in stainless steel, consult factory.

Wheel Selection

Encore Hand Truck Wheels



Featuring an off-set hub design, these light weight, high performance hand truck wheels roll longer, quieter and smoother without marking floors.

Temperature range: -45°F to +180°F intermittent service (120°F continuous service).

Hardness: 55(±5) Shore A Scale.



Encore Hand Truck Wheels • Round Black/Grey Tread • Capacity up to 600 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel		Hub		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Length Less Bearing	Length With Bearing	
Round Black Tread Models									
8"	2"	280	None (1 3/4" Offset Hub)	E5.00008.586.2	N/A	1 3/8"	1 3/4"	2 1/4"	2 1/4
8"	2"	280	Ball (2" Offset Hub)	E5.00008.585.2	5/8"	1 3/8"	1 3/4"	2 1/4"	2 1/4
8"	2"	280	None (2" Offset Hub)	E5.00008.596.2	N/A	1 3/8"	2"	2 1/4"	2 1/4
8"	2"	280	Ball (2 1/4" Offset Hub)	E5.00008.595.2	5/8"	1 3/8"	2"	2 1/4"	2 1/4
10"	2"	600	None (2" Offset Hub)	E5.00010.596.2	N/A	1 3/8"	2"	2 1/4"	2 7/10
10"	2"	600	Ball (2 1/4" Offset Hub)	E5.00010.595.2	5/8"	1 3/8"	2"	2 1/4"	2 7/10
Round Grey Tread Models									
8"	2"	280	None (1 3/4" Offset Hub)	E5.00008.586	N/A	1 3/8"	1 3/4"	2 1/4"	2 1/4
8"	2"	280	Ball (2" Offset Hub)	E5.00008.585	5/8"	1 3/8"	1 3/4"	2 1/4"	2 1/4
8"	2"	280	None (2" Offset Hub)	E5.00008.596	N/A	1 3/8"	2"	2 1/4"	2 1/4
8"	2"	280	Ball (2 1/4" Offset Hub)	E5.00008.595	5/8"	1 3/8"	2"	2 1/4"	2 1/4
10"	2"	600	None (2" Offset Hub)	E5.00010.596	N/A	1 3/8"	2"	2 1/4"	2 7/10
10"	2"	600	Ball (2 1/4" Offset Hub)	E5.00010.595	5/8"	1 3/8"	2"	2 1/4"	2 7/10



Encore Hand Truck Wheels • Flat Grey Tread • Capacity up to 500 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel		Hub		Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Length Less Bearing	Length With Bearing	
10"	1 1/2"	500	None (Center Hub)	E4.00010.446	N/A	1 3/8"	2"	2 1/4"	2 7/10
10"	1 1/2"	500	Ball (Center Hub)	E4.00010.445	5/8"	1 3/8"	2"	2 1/4"	2 7/10