

Wheel Selection Guide

WHEEL TYPE	CAPACITY (LBS EACH)	TEMPERATURE RANGE* (FAHRENHEIT)	FLOOR SURFACES										
			CARPET	BRICK	CONCRETE	LINOLEUM	ASPHALT	TERRAZZO	WOOD	SMOOTH STEEL	RIBBED STEEL	TILE	
Performa Rubber®	60 → 1700	-45° to +180° ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma®	400 → 600	-45° to +180° ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma® LT	400 → 500	-45° to +180° ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trans-forma® HD	600 → 900	-45° to +180° ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Rubber	400 → 1140	-45° to +160°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Nylon	1000 → 1500	-45° to +180°	✓	✓	✓						✓	✓	
Triumph®	900 → 1200	-40° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurethane HI-TECH®	100 → 1700	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moldon Polyurethane	700 → 3500	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Endura®	1000 → 1200	-45° to +230°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Maxim®	600 → 1400	-45° to +180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyolefin	75 → 900	-45° to +180°	✓	✓	✓						✓	✓	
ThermoTECH®	250	-45° to +525° ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermo®	300 → 1100	-70° to +525° ³	✓	✓	✓						✓	✓	
Phenolic	300 → 3500	-45° to +180°	✓	✓	✓					✓	✓		
Cast Iron	200 → 3000	-45° to +180°			✓						✓		
Forged Steel	1400 → 4500	-45° to +180°			✓						✓		
V-Groove	800 → 6000	-45° to +500°			✓						✓		

¹ 180° intermittent service; 120° continuous service
² 525° intermittent service; 490° continuous service
³ 525° intermittent service; 480° continuous service

*See Wheel Section (pages 80-109) for information regarding higher operating temperature ranges.

Performa Chemical Chart

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

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

IMPORTANT NOTICE - CHEMICAL RESISTANCE CHART GUIDELINES

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 Performa 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.

OPERATING CONDITIONS

Wheel Selection Guide

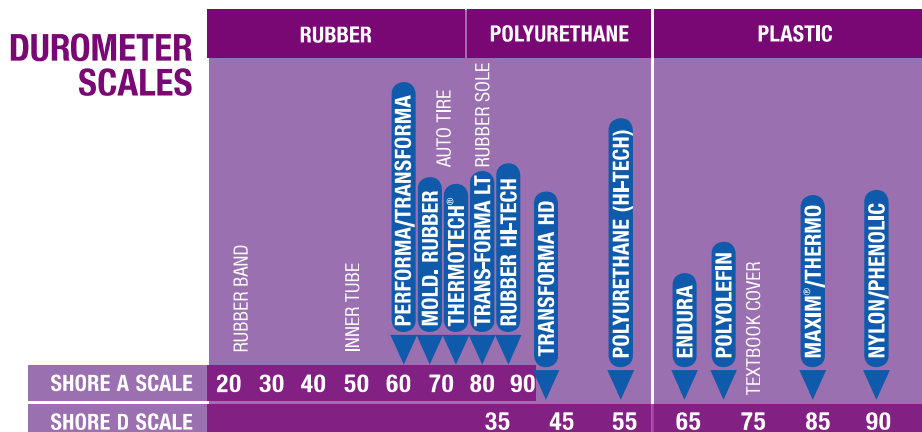
WATER	STEAM	MILD CHEMICALS***	OIL & GREASE	METAL CHIPS	HIGH HEAT (+250°F)	EXTREME COLD (-45°F)	ANIMAL FATS	NOISE REDUCTION	FLOOR PROTECTION	CUSHION LOAD	DURO-METER RATINGS	CATALOG PAGE NUMBER	WHEEL TYPE
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65(±5)A	80-85	Performa® Rubber
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65(±5)A	89	Trans-forma®
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	80(±5)A	89	Trans-forma® LT
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	40(±5)D	90	Trans-forma® HD
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	70(±5)A	91	Moldon Rubber
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	70(±5)D	92	Moldon Nylon
✓**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	75 to 95(±5)A ¹	93	Triumph®
✓**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55(±5)D	94-95	Polyurethane HI-TECH®
✓**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	45(±5)D	96-97	Moldon Polyurethane
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	63(±5)D	98	Endura®
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	85(±5)D	99	Maxim®
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	70(±5)D	100-101	Polyolefin
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	75(±5)A	102	ThermoTECH®
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	85(±5)D	103	Thermo®
		✓	✓	✓	✓	✓	✓	✓	✓	✓	90(±5)D	104-105	Phenolic
		✓	✓	✓	✓	✓	✓	✓	✓	✓	-	106-107	Cast Iron
		✓	✓	✓	✓	✓	✓	✓	✓	✓	-	108	Forged Steel
		✓	✓	✓	✓	✓	✓	✓	✓	✓	-	109	V-Groove

Intermittent contact at room temperature only. *Consult factory for harsh chemicals.

¹ Red crowned tread: 75 (±5) Shore A, Brown crowned tread 90 (±5) Shore A, Red round tread: 89 (±5) Shore A, Blue round tread 95 (±5) Shore A.

The above chart is designed to provide the user with a general comparison of Colson wheel types under a variety of floor surfaces and operating conditions. For specific applications or unusual conditions, please consult factory.

Wheel Hardness Chart



How To Select



**Performa® Rubber
Flat Tread**



For 1-8 Series Casters

Grey or black non-marking thermoplastic elastomer tread bonded to polyolefin core. Polyolefin core is ribbed for added strength on 3-7 Series Wheels (see pages 80-84).

**Performa® Rubber
Round Tread**



For 2-6 Series Casters

Grey non-marking thermoplastic elastomer tread bonded to polyolefin core. Polyolefin core is ribbed for added strength on 5 Series Wheels (see pages 82, 85).

**Performa® Rubber
Conductive**



For 2-6 Series Casters

Grey non-marking conductive thermoplastic elastomer tread bonded to polyolefin core. Polyolefin core is ribbed for added strength on 3-5 Series Wheels (Consult factory) (See pages 86-87).

**Performa® Rubber
Handtruck**



**4-5 Series Wheels
(Not used in casters)**

New models with precision bearing! Round or flat, black or grey non-marking thermoplastic elastomer tread bonded to ribbed polyolefin core (See page 88).

**Moldon Rubber
Cast Iron Core**



For 4-8 Series Casters
Cushion rubber tread bonded to cast iron core (See page 91).

Trans-forma® Rubber



For 4 & 6 Series Casters
Thermoplastic elastomer tread chemically bonded to polyolefin core. Available in flat or round. Constructed of recycled materials (See pages 89-90).

Triumph®



For 4 & 6 Series Casters
Polyurethane tread mechanically and chemically bonded to light weight aluminum core. Round or crown tread with durometer and color options (See page 93).

Phenolic



For 2-8 Series Casters
Molded macerated fabric filled with phenolic resin plastic (See pages 104-105).

Light Duty Rubber



For 1 & 2 Series Casters
(From Left to Right) 2 Series Rubber HI-Tech bonded to polyolefin core; 1 Series Hard or Soft Rubber (See page 90).



Polyurethane HI-TECH®



For 1-8 Series Casters
Red polyurethane tread mechanically locked to polyolefin core. Polyolefin core is ribbed for added strength on 3-7 Series Wheels (See pages 94-95).

Moldon Polyurethane Cast Iron Core



For 6 & 7 Series Casters
Polyurethane tread bonded to cast iron core (See page 97).

Moldon Polyurethane Aluminum Core



For 4 & 6 Series Casters
Polyurethane tread bonded to aluminum core (See page 96).

Moldon Nylon Aluminum Core



For 4 & 6 Series Casters
Nylon tread bonded to aluminum core (See page 92).

Endura Solid® Elastomer



For 4 & 6 Series Casters
Special solid elastomer material allows easier rolling under heavy loads (See page 98).

Maxim®



For 3-6 Series Casters
Exclusive ultra tough thermo-plastic resists hard impacts and drop-shocks (See page 99).

Polyolefin



For 1-6 Series Casters
Durable polyolefin wheels. Polyolefin core is ribbed for added strength on 3-5 Series Wheels (See pages 100-101).

Thermo®



For 2, 4 & 6 Series Casters
Handles extreme temperatures even under heavy loads (See page 103).

ThermoTech®



For 2 Series Casters
Quiet rolling, non-marking, floor protection and handles the heat! (See page 102).

Cast Iron



For 2-8 Series Casters
Strong, high grade cast iron steel (See pages 106-107).

Forged Steel



For 4-8 Series Casters
Dropped forged, heavy-duty steel wheels (See page 108).

V-Groove



For 4-7 Series Casters
Cast iron wheels V-grooved for use on inverted angle iron track (See page 109).



1 Series Side Lock Brake

Capacity up to 145 lbs each

The ends of the brake spring are crimped so they grab the wheel at four contact points, which provides extra holding power on a variety of wheel surfaces. This side locking brake is easily operated with foot action and available on

3", 4", and 5" caster models. 1 Series brakes cannot be used with thread guards. To order this brake with a caster specify "BRK 3" (see pages 22-31). To field install this brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
(75 lbs Capacity Models)		
3"	11.3000	2 11/16"
(145 lbs Capacity Models)		
3"	11.3200	3"
4"	11.4200	3 9/16"
5"	11.5200	4 1/16"



NEW

L Series Side Lock Brake

Capacity up to 150 lbs each

This brake design grabs the wheel to provide strong holding power on both L Series TPR and Polyolefin wheels. It is Available on LTS and LGR casters for 2" models only and is easily operated with foot action. The swivel radius of the caster is 1-13/16" including the

brake. **The L Series side locking brake is not field installable.** To order this brake with a caster, add "001" to the end of the part number (Example: LGR0251242001). See pages 32-33.



NEW

L Series Top Lock Brake

Capacity up to 150 lbs each

The L Series Top Lock brake provides reliable braking action under a variety of operating conditions. This brake is available on 3", 4", and 5" models for all L Series products—LTP (Swivel Only), LGS and LGR casters. Foot

action easily operates the brake. **L Series Top Lock brakes are not field installable.** To order the brake with a caster, add "001" to the end of the part number (Example: LGR3351242001). See pages 32-33.



2 Series Total Lock® Brake

Capacity up to 325 lbs each

Colson's Total Lock brake locks the wheel and swivel simultaneously. The brake design features durable metal construction with a thermoplastic pedal and provides virtually maintenance free operation.

The brake is easily operated with foot action. It works on 3 1/2", 4" and 5" 2 Series models. To order this brake with a caster, specify "BRK5" (see pages 34-47). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
3 1/2"	52023.03	4 9/16"
4"	52023.04	4 5/8"
5"	52023.05	4 11/16"



2 Series Top Lock Brake

Capacity up to 325 lbs each

Colson Top Lock brakes provide positive braking action on all types of wheels. A special cam activated brake mechanism locks firmly and is easy to engage

and disengage. To order the brake with a caster, specify "BRK1" (see pages 34-47). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
2 1/2"	52023.62	3 ¹³ / ₁₆ "
3"	52020.96	3 ⁵ / ₈ "
3 1/2"	52020.93	3 ⁵ / ₈ "
4"	52020.94	3 ¹¹ / ₁₆ "
5"	52023.65	3 ¹⁵ / ₁₆ "

Kit includes solid axle.



2 Series Top Lock Brake (Stainless Steel)

Capacity up to 325 lbs each

Constructed of polished stainless steel, Colson's 2 Series Stainless Steel Top Lock brake provides positive, reliable braking under a variety of harsh operating conditions. Compatible

with 2 Series Stainless Steel swivel forks only. To order with a caster, specify "BRK1" (see page 48). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
3"	05214.87	2 ⁹ / ₁₆ "
3 1/2"	05214.88	3 ¹ / ₁₆ "
4"	05214.89	3 ⁵ / ₈ "
5"	05214.90	4 ¹ / ₁₆ "



2 Series Total Lock® Brake (Stainless Steel)

Capacity up to 325 lbs each

This brake is constructed of durable stainless steel and ideally suited for wet or corrosive conditions. Heavy loads are held securely with the simple toe operation. The swivel

radius of the caster is 5" including the brake. **The brake's riveted design is not field installable.** To order it with a caster, specify "BRK4" (see page 48).



2 Series Tech Lock® Brake (Stainless Steel)

Capacity up to 325 lbs each

Constructed of durable, light-weight engineered thermoplastics, this brake is ideally suited for wet or corrosive conditions. The simple toe operation holds heavy loads securely. And, an advanced design brake pad holds a variety of wheel types.

With only two moving parts, the brake is virtually maintenance free. Temperature range: -30°F to +250°F. To order on a caster, specify "BRK2" (see page 48). To field install this brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
4"	05215.54	5 ⁵ / ₈ "
5"	05215.55	6 ¹ / ₈ "



2 Series LoPro Side Lock Brake

Capacity up to 210 lbs each

The LoPro brake design places a positive locking force against the wheel hub to hold loads securely. A large foot pedal makes the brake easy to operate and provides easy foot placement.

This brake is not field installable and is only available on the 3" model.

The swivel radius of the caster is 2 11/16" including the brake. To order this brake with a caster, specify "BRK3." See page 49.



2 Series Directional Lock

Capacity to 325 lbs each

Lock the swivel for straight tracking on all 2 Series top plate swivel casters. The foot-activated directional lock engages simply and securely into lead or trailing position and is compatible with a full range of wheels. The swivel radius is 4 3/16" for 2 1/2", 3", and

3 1/2" and 4 15/16" for 4" and 5" models. **The directional lock is not field installable.** To order with caster, change the 4th digit of the caster model number to "1" (example: 2.05156.91). See pages 46-47.



G Series Side Lock Brake

Capacity to 350 lbs each

This side locking brake design grabs the wheel to provide reliable holding power. Available on all GDP swivel model casters, it is easily operated with foot action. **The brake is not**

field installable. To order the side locking brake with a caster, add "001" to the end of the part number (Example: GD3356142001). See pages 50-51.



3 Series Top Lock Brake

Capacity up to 400 lbs each

All swivel casters in the 3 Series line are available with brakes. Colson's Top Lock brake gives positive braking action on all types of wheels by engaging a rubber brake shoe directly against the tread surface of the wheel. A self-compensating spring

maintains the effectiveness of the brake throughout the life of the wheel. Thread guards can also be used with this brake. The brake pedals are rugged .090 steel & zinc plated. To order on a caster, specify "BRK1". See pages 52-55.

Wheel Dia.	Kit Number	Swivel Radius
3"	05210.14	3 11/16"
4"	05210.05	3 13/16"
5"	05225.61	4 1/8"
6"	05225.62	4 5/8"



4 Series Side Lock Brake

Capacity up to 1400 lbs each

Colson's 4 Series Side Lock brake design places a positive locking force against the wheel hub to hold loads securely. The Larger foot pedal makes the brake easier to operate, provides better foot placement, and can be actuated from either end of the pedal for greater convenience.

This brake is available on Colson 4 Series casters equipped with roller bearings or one-piece Delrin bearing models only. To order the brake with a caster specify, "BRK3" (see pages 56-59). To field install the brake, see kit numbers. US. Patent 5,402,864.

Wheel Dia.	Kit Number
4"-5"	05128.30 ¹ 05128.32*
6"-8"	05128.29 ¹ 05128.31*

Wheel Brakes Work On

¹Nylon, Moldon Polyurethane, Moldon Rubber, Steel, Phenolic

²Performa, Polyolefin, Polyurethane HI-Tech, Endura, Maxim, Thermo, Trans-forma

*Includes Torrington-style roller bearing.

4 Series Stainless steel side lock brake kits: On one-piece Delrin bearing wheel models #05214.24; On roller bearing wheel models #05214.30. See pages 60-61.



4 & 6 Series Enforcer Side Lock Brake

Capacity up to 1500 lbs each

This new Side Lock brake is designed for Colson 4 & 6 Series Enforcer casters to accommodate a thicker leg. The brake places a positive locking force against the wheel hub to hold heavy loads securely. A larger foot pedal makes the brake easier to operate and provides better foot placement. The brake can be actuated from either

end of the pedal for greater convenience and is available on Colson 4 & 6 Series Enforcer casters with wheels that are roller or one-piece Delrin bearing equipped only. To order the brake with a caster, specify "BRK3" (see pages 62-63 and 66-67). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number
4"-5"	05128.40 ¹ 05128.42*
6"-8"	05128.39 ¹ 05128.41*

Wheel Brakes Work On

¹Nylon, Moldon Polyurethane, Moldon Rubber, Steel, Phenolic

²Performa, Polyolefin, Polyurethane HI-Tech, Endura, Maxim, Thermo, Trans-forma

*Includes Torrington-style roller bearing.



4 Series Top Lock Brake

Capacity up to 1400 lbs each

Colson 4 Series forks include a special notch for easy installation of Top Lock brakes. The brake is cost effective and provides reliable braking under a variety of operating conditions. Colson 4 Series Top Lock brakes are

available on 4 series casters except models with 3 1/4" or V-Groove wheels. To order it with a caster, specify "BRK7" (see pages 56-59). To field install the Top Lock brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
4"	05944.14	3 ⁹ / ₁₆ "
5"	05944.15	4 ¹ / ₄ "
6"	05944.16	5"
8"	05944.18	6 ¹ / ₂ "





NEW

4 Series Top Lock Brake (Stainless Steel)

Capacity up to 1250 lbs each

Constructed of polished stainless steel, Colson's 3-piece 4 Series Stainless Steel Top Lock brake provides positive, reliable braking under a variety of harsh operating conditions. The

brake is compatible with 4 Series Stainless Steel swivel forks only. To order this brake with a caster, specify "BRK7" (see pages 60-61). To field install the Top Lock brake, see kit numbers.

Wheel Dia.	Kit Number	Swivel Radius
4"	05214.74	4 7/8"
5"	05214.75	5 1/8"
6"	05214.76	5"
8"	05214.78	6 1/2"



4 Series Swivel Tech Lock® Brake

Capacity up to 1250 lbs each

Constructed of durable, light-weight engineered thermoplastics, this brake is ideally suited for wet or corrosive conditions. The simple toe operation holds heavy loads securely. With an advanced brake pad design, the brake is compatible with a variety

of wheel types. The Tech Lock brake provides virtually maintenance free operation with only two moving parts. Temperature range: -30°F to +250°F. To order the brake with a caster, specify "BRK2" (see pages 56-61). To field install the brake, see kit

Wheel Dia.	Kit Number Standard	Kit Number Stainless	Swivel Radius
4"	05944.44	05944.94	6 9/32"
5"	05944.45	05944.95	6 5/8"
6"	05944.46	05944.96	7 3/8"
8"	05944.48	05944.98	8 7/16"

numbers. This brake is available on all 4 Series casters, except with a Swivel Lock or 4 Series Enforcer models. U.S. Patent 288285.



4 Series Rigid Tech Lock® Brake

Capacity up to 1400 lbs each

Specially engineered for rigid caster models only, the contemporary design features thermoplastic construction to resist rust and corrosion. A grip ridge for the

mechanical lock securely fastens the Tech Lock brake to the fork. To order this brake with a caster, specify "BRK2" (see pages 56-61).

Wheel Dia.	Kit Number Standard	Kit Number Stainless	Swivel Radius
6"	05944.86	05944.87	7 3/8"



4 Series Total Lock® Brake

Capacity up to 1250 lbs each

With a press of the foot, lock both the wheel and swivel in any position. The low angle pedal design makes foot access easy for convenient operation, and the contemporary design features thermoplastic construction to

resist rust and corrosion. This brake is not available on 4 Series Enforcer models. A grip ridge for the mechanical lock securely fastens the brake to the fork. To order with a caster, specify "BRK4" (see pages 56-59).

Wheel Dia.	Kit Number	Swivel Radius
4"	05906.12	6 5/8"
5"	05906.11	7 1/16"
6"	05906.09	7 3/8"
8"	05906.13	8 1/2"



4 & 6 Series Tread Lock Brake

Capacity up to 1500 lbs each

Available on 4 and 6 Series casters, this adjustable brake can be installed in the field or ordered assembled onto the caster. The toe activated brake features positive engagement via rubber faced plate.

This brake is not available with V-groove wheel models or 2-1/2 tread width wheels. To order it with a caster specify, "BRK1" (see pages 56-67). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number	Standard 4 Series Swivel Radius	Standard 6 Series Swivel Radius	4 & 6 Series Enforcer Swivel Radius
4"	05944.24	5 5/16"	5 3/8"	5 3/16"
5"	05944.25	6 5/8"	6 9/16"	6 1/2"
6"	05944.26	7 5/16"	7 1/8"	6 7/8"
8"	05944.28	8 1/2"	8 9/16"	8 3/8"

Replacement Brake Pad Model Number: 59044.45



7 & 8 Series Enforcer® Tread Lock Brake

Capacity up to 4500 lbs each

This toe activated Tread Lock brake features positive engagement via a single rubber faced plate. It is available on 7 & 8 Series Enforcer casters, except on

V-Groove wheel models. To order with a caster, specify "BRK1" (see pages 68-71). To field install the brake, see kit numbers.

Wheel Dia.	Kit Number	7 & 8 Series Enforcer Swivel Radius*
6"	05329.99	8 3/4"
8"	05329.39	9 3/4"
10"	05329.40	10 3/4"
12"	05329.41	11 3/4"

*Standard load height only.

4-8 Series Swivel Locks

Capacity up to 6000 lbs each

Swivel locks quickly convert swivel casters to rigid casters for straight-line tracking. A spring-loaded, hand operated plunger is engaged to fit into slots on the swivel raceway. To engage the lock, simply pull out plunger and turn until spring action inserts plunger in notches on raceway. To disengage the lock, simply pull out the plunger and turn so plunger is not inserted in notches on raceway. **Colson offers 3 types of hand operated swivel locks: Welded, Bolt-On and Kingpinless.**



Welded Models

Series	Mounting Code
4 Series (Standard)	MTG51
4 Series (w/ MTG2 Top Plate)	MTG52
4 Series (w/ MTG4 Top Plate)	MTG54
6 Series (Standard)	MTG52

Welded Swivel Locks: Colson's welded swivel locks are factory installed only. They lock in 90° intervals on 4 and 6 Series casters. To order the lock, see the "Welded Models" chart.



Bolt-On Models

Series	Mounting Code	Field Install Model No.
4 Series (Standard)	MTG61	05213.61
4 Series (w/ MTG2 Top Plate)	MTG62	05213.62
4 Series (w/ MTG4 Top Plate)	MTG64	05313.64
6 Series (Standard)	MTG62	05256.62

Bolt-On Swivel Locks: The bolt-on swivel locks are field installable only but require that the fork yoke base have notches at 90° intervals. They are available on 4-6 Series casters. To order the lock, see the "Bolt-On Models" chart.



Kingpinless Models

Series	Mounting Code	Field Install Model No.
4 & 6 Series Enforcer (Standard)	MTG61	05213.61
4 & 6 Series Enforcer (w/ MTG2 Top Plate)	MTG62	05213.62
4 & 6 Series Enforcer (w/ MTG4 Top Plate)	MTG64	05213.64
7 & 8 Series Enforcer (Standard)	MTG61	05278.61
7 & 8 Series Enforcer (w/ MTG2 Top Plate)	MTG62	05278.62
7 & 8 Series Enforcer (w/ MTG3 Top Plate)	MTG63	05278.63

Kingpinless Swivel Locks: Colson Kingpinless Enforcer casters have notches in the raceway, so it is possible to field install swivel locks for kingpinless models. They lock in 90° intervals. Simply bolt the swivel lock on when you install on equipment. This swivel lock is available on 4, 6, 7 and 8 Series Enforcer casters. To order the lock, see the "Kingpinless Models" chart.



Foot Activated Swivel Locks

Capacity to 1400 lbs each

No more back strain from bending down to activate a swivel lock. When the foot pedal is in the "up" position, a stainless steel spring forces a pin into one of the four slots on the swivel fork. This effectively locks the swivel in one of four positions at 90° intervals. To disengage the lock, simply press down on the foot pedal for free swiveling action. It's that easy! With this innovative product, you can quickly and easily convert swivel casters to rigid casters for straight-line tracking. When you need greater maneuverability, you can quickly convert from the rigid position back to full swivel. Quick. Easy. Less stress and strain. The Colson Ergonomic Advantage™.

NOTE: Foot Activated Swivel Lock is field installable but requires notches in caster fork yoke base at 90° intervals.

Series	Mounting Code	Field Install Model No.
4 Series Swivel Top Plate (1 1/2" tread width)*	MTG81	05213.66
4 Series Swivel Top Plate (2" tread width)*	MTG81	05213.66
4 Series Enforcer Kingpinless Swivel Top Plate*	MTG81	05213.66
4 Series Stainless Steel Swivel Top Plate*	MTG81	05213.67

*4" x 4 1/2" Standard top plate only.





DirtBan Swivel Seals

Keep dirt out and lube in for longer caster life.

Seals are recommended for applications where casters and equipment are exposed to regular washings such as hospitals, food processing plants, restaurants, meat packaging plants, laundries, bakeries and more. The seals keep dirt out of the swivel raceway and lubricant in. Colson polyurethane DirtBan seals help casters run smoother and last longer with very little drag on the

swivel action. They offer a high resistance to grease, oils, chemicals, detergents and water. To order on caster, specify "**SEAL**". To field install the seals, simply remove the caster wheel and place seals in the upper and lower raceway. No special tools are needed. The DirtBan swivel seals are available on 2 and 4 Series casters. To field install the seals, see chart.

Series	Kit Number
2 Series Swivel	52020.90
4 Series Swivel Upper Raceway	51000.77
4 Series Swivel Lower Raceway	51001.76



2 & 3 Series Dust Caps

Protects swivel raceway from harmful debris.

Keep dust and debris out of the raceway for smoother operation and longer service life. Dust caps are available on 2 and 3 Series

models only. To order the dust caps with a caster, specify "**DC1**". **Dust caps are not field installable.**



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 114)



Delrin® Bearing

Delrin, a DuPont engineered plastic, is extremely durable under a wide range of temperature and humidity conditions, as well as is corrosion resistant. Wheels with the Delrin bearings are well suited for applications where brine conditions, steam cleaning, or where excessive water or liquids are present. One piece or two piece Delrin bearing models are available (shown with spanner bushing). To order, see page 112.



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.



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.



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 or wet applications (shown with spanner bushing). To order, see page 112.



Precision Sealed Ball Bearing

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 and is standard on all Triumph wheels. Now available for Performa hand truck wheels! To order, see page 112.



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 112.



Pedestal Precision Ball Bearing

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 112.



Stainless Steel Model

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 112.

