

# colson®

The Most Trusted Casters IN THE WORLD



INTRODUCING COLSON

# HYDROTECH™



- 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 40D (±5) durometer
- USA-made wheel is built to last and backed with confidence (industry leading 3-year warranty)
- Since 1885, Colson's quality lines of casters and wheels have defined the caster industry



Download 3D CAD Models  
and Data Sheets ([colsoncaster.com](http://colsoncaster.com))

## 4 Series

Capacity up to 1000 lbs each

TOP PLATE Swivel & Rigid



### Features

- Made in the USA
- Zinc plated finish fork and plate
- Quality construction with hardened thick forks, kingpin and top plate
- NSF listed; RoHS compliant
- HydroTech is designed for wet outdoor climates including food processing and marine applications

### Brake Options



### Other Options

- Optional Top Plates
- DirtBan Swivel Seal
- Thread Guards
- Hand Activated Swivel Lock Specify MTG61
- Foot Activated Swivel Lock Specify MTG81

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Wheel Description	Wheel Bearing <sup>1</sup>	Swivel Caster Models	Rigid Caster Models	Load Height	Swivel Radius <sup>2</sup>	Weight (Pounds)
4"	2"	600	HydroTech (Flat)	Roller	4.04109.HF9	4.04108.HF9	5 5/8"	3 3/16"	4 3/4
5"	2"	750	HydroTech (Flat)	Roller	4.05109.HF9	4.05108.HF9	6 1/2"	4 1/4"	4 3/4
6"	2"	900	HydroTech (Flat)	Roller	4.06109.HF9	4.06108.HF9	7 1/2"	5"	5
8"	2"	1000	HydroTech (Flat)	Roller	4.08199.HF9	4.08198.HF9	9 1/2"	6 1/2"	5 3/4

<sup>1</sup> Recommended optional bearings: Delrin (HF1) & Pedestal Precision Ball Bearing (HF5)  
<sup>2</sup> Consult sales representative for swivel radius for brake models

## D4 Series

Capacity up to 1000 lbs each

DEFENDER STAINLESS STEEL Swivel & Rigid

Swivel & Rigid



### Features

- Constructed of highly polished, corrosion resistant stainless steel (304 Grade)
- Top plate and legs formed from 1/4" thick stainless steel for durability
- NSF listed; RoHS compliant
- HydroTech is designed for wet outdoor climates including food processing and marine applications

### Brake Options



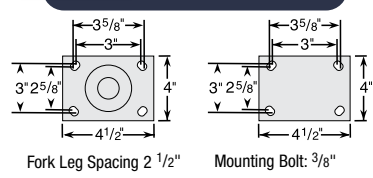
### Other Options

- DirtBan Swivel Seal
- Thread Guards
- Hand Activated Swivel Lock Specify 05213.67
- Foot Activated Swivel Lock Specify SWVLOCKX2SS

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Wheel Description	Wheel Bearing <sup>1</sup>	Swivel Caster Models	Rigid Caster Models	Load Height	Swivel Radius <sup>2</sup>	Weight (Pounds)
4"	2"	600	HydroTech (Flat)	Roller	D4.04109.HF9	D4.04108.HF9	5 5/8"	3 3/16"	4 3/4
5"	2"	750	HydroTech (Flat)	Roller	D4.05109.HF9	D4.05108.HF9	6 1/2"	4 1/4"	4 3/4
6"	2"	900	HydroTech (Flat)	Roller	D4.06109.HF9	D4.06108.HF9	7 1/2"	5"	5
8"	2"	1000	HydroTech (Flat)	Roller	D4.08109.HF9	D4.08108.HF9	9 1/2"	6 1/2"	5 3/4

<sup>1</sup> Recommended optional bearings: Delrin (HF1) & Pedestal Precision Ball Bearing (HF5)  
<sup>2</sup> Consult sales representative for swivel radius for brake models

### Standard Dimensions



### Replacement Wheels



**HydroTech Flat Tread**  
 Temp range: -45°F to +180°F  
 intermittent service;  
 (120°F continuous service).  
 Durometer: 40 ±(5) Shore D

Wheel Dia.	Tread Width	Capacity Each (Lbs)	Bearing	Wheel Model Number
4"	2"	600	Roller	WH4X2TPE19
5"	2"	750	Roller	WH5X2TPE19
6"	2"	900	Roller	WH6X2TPE19
8"	2"	1000	Roller	WH8X2TPE19

### HydroTech Chemical Chart

Organics & Solvents	Ethyl acetate	F	Toluene	X	Acids	Nitric, 65%	X	Sodium hydroxide	G
Acetone	G		Trichloroethylene	X	Acetic, 10-50%	G		<b>Salts</b>	
Alcohol, butyl	G		Varsol	X	Acetic, 75%	G		Acid salts	G-F
Alcohol, ethyl	G		Vestalene (detergent diluted)	E	Acetic, glacial	G		Alkaline salts	G
Alcohol, methyl	G		Urine	E	Boric	G		Neutral salts	G
Aniline	G		<b>Gases</b>		Butyric	G		<b>Miscellaneous salts:</b>	
Benzene	X		Carbon dioxide	G	Chromic	F		Potassium dichromate	G
Bravo (wax stripper diluted)	E		Carbon monoxide	G	Citric	G		Potassium permanganate	G
Carbon disulfide	X		Chlorine, wet	F	Fluoboric	G		Salt water	G
Carbon tetrachloride	X		Chlorine, dry	F	Hydrobromic, 25%	G		Sodium cyanide	G
Chlorobenzene	X		Hydrogen sulfide	G	Hydrochloric, 10%	G		Sodium ferricyanide	G
Chloroform	X		Sulfur dioxide, wet	F	Hydrofluoric	F		Sodium hypochlorite	G
Colson 45 lubricant	G		Sulfur dioxide, dry	F	Lactic	F			
Enclean SS-2 (parts cleaner)	X		Phenol	X	Nitric, 5%	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.