

Colson D4 Series Casters • Defender Stainless Steel Top Plate Swivel & Rigid • Capacity to 1250 lbs

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Wheel Descriptions	Swivel Top Plate SS Roller Bearing Models	Rigid Top Plate SS Roller Bearing Models	Optional Bearings (order information in below chart)	Load Height	Swivel Radius	Weight (Pounds) Rigid Deduct 1.5 lbs)	
4"	2"	300	Performa Conductive (Flat)	D4.04109.459 COND SS WB29	D4.04108.459 COND SS WB29	PPBB	5-5/8"	3-3/8"	5-1/4	
		400	Performa (Flat)	D4.04109.459 SS WB29	D4.04108.459 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5-1/4	
			Performa (Round)	D4.04109.559 SS WB29	D4.04108.559 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5-1/4	
		500	Retort Hi-Temp	D4.04109.839 RW SS WB29	D4.04108.839 RW SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
			Polyolefin	D4.04109.839 SS WB29	D4.04108.839 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	3-3/4	
		600	HydroTech	D4.04109.929 HF SS WB29	D4.04108.929 HF SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	4-3/4	
		700	K Solid Polyurethane*	D4.04109.935 KW SS	D4.04108.935 KW SS	Delrin, Bronze	5-5/8"	3-3/8"	4-1/4	
		800	720	Polyurethane Hi-TECH	D4.04109.929 SS WB29	D4.04108.929 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5
	Antimicrobial Hi-TECH			D4.04109.929G SS WB29	D4.04108.929G SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
	Phenolic - High Temp		Phenolic	D4.04109.339 HT SS WB29	D4.04108.339 HT SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
			Phenolic	D4.04109.339 SS WB29	D4.04108.339 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
	Maxim Nylon Glass Filled		Hi-Temp Nylon Glass Filled	D4.04109.539 SS WB29	D4.04108.539 SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
			Thermo Hi-Temp	D4.04109.839 HTBLK SS WB29	D4.04108.839 HTBLK SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
	900		White Nylon	D4.04109.539 WN SS WB29	D4.04108.539 WN SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
			HD Nylon Glass Filled	D4.04109.839 DT SS WB29	D4.04108.839 DT SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5	
	5"	2"	1000	Endura Solid Elastomer	D4.04109.839 EN SS WB29	D4.04108.839 EN SS WB29	Delrin, Bronze, PPBB	5-5/8"	3-3/8"	5-3/4
1250			Commander HD*	D4.04109.5PN SS	D4.04108.5PN SS	SS Prec. Ball Standard	5-5/8"	3-3/8"	7	
325			Performa Conductive (Flat)	D4.05109.459 COND SS WB29	D4.05108.459 COND SS WB29	PPBB	6-1/2"	4-1/8"	5-1/2	
			Performa (Round)	D4.05109.559 SS WB29	D4.05108.559 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/2	
500			Performa (Flat)	D4.05109.459 SS WB29	D4.05108.459 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/2	
			Retort Hi-Temp	D4.05109.839 RW SS WB29	D4.05108.839 RW SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
650			Polyolefin	D4.05109.839 SS WB29	D4.05108.839 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	4-1/2	
			HydroTech	D4.05109.929 HF SS WB29	D4.05108.929 HF SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	4-3/4	
900		Polyurethane Hi-TECH	Polyurethane Hi-TECH	D4.05109.929 SS WB29	D4.05108.929 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
			Antimicrobial Hi-TECH	D4.05109.929G SS WB29	D4.05108.929G SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
		Phenolic - High Temp	Phenolic	D4.05109.339 HT SS WB29	D4.05108.339 HT SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
			Phenolic	D4.05109.339 SS WB29	D4.05108.339 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
		Maxim Nylon Glass Filled	Hi-Temp Nylon Glass Filled	D4.05109.539 SS WB29	D4.05108.539 SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
			White Nylon	D4.05109.539 WN SS WB29	D4.05108.539 WN SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
		1000	Endura Solid Elastomer	D4.05109.839 EN SS WB29	D4.05108.839 EN SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-7/8	
			Hi-Temp Nylon Glass Filled	D4.05109.839 HTBLK SS WB29	D4.05108.839 HTBLK SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4	
1200	K Solid Polyurethane*	Thermo Hi-Temp	D4.05109.935 KW SS	D4.05108.935 KW SS	Delrin, Bronze	6-1/2"	4-1/8"	5		
		Thermo Hi-Temp	D4.05109.839 HT SS WB29	D4.05108.839 HT SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4		
	HD Nylon Glass Filled	HD Nylon Glass Filled	D4.05109.839 DT SS WB29	D4.05108.839 DT SS WB29	Delrin, Bronze, PPBB	6-1/2"	4-1/8"	5-1/4		
		Commander HD*	D4.05109.5PN SS	D4.05108.5PN SS	SS Prec. Ball Standard	6-1/2"	4-1/8"	8		
	6"	2"	410	Performa Conductive (Flat)	D4.06109.459 COND SS WB29	D4.06108.459 COND SS WB29	PPBB	7-1/2"	4-7/8"	5-3/4
			450	Performa Conductive (Round)	D4.06109.559 COND SS WB29	D4.06108.559 COND SS WB29	PPBB	7-1/2"	4-7/8"	5-3/4
				Performa (Round)	D4.06109.559 SS WB29	D4.06108.559 SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4
			600	Performa (Flat)	D4.06109.459 SS WB29	D4.06108.459 SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4
Retort Hi-Temp				D4.06109.839 RW SS WB29	D4.06108.839 RW SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-1/2	
700			Polyolefin	D4.06109.839 SS WB29	D4.06108.839 SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	4-3/4	
			HydroTech	D4.06109.929 HF SS WB29	D4.06108.929 HF SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5	
1100			Polyurethane Hi-TECH	Polyurethane Hi-TECH	D4.06109.929 SS WB29	D4.06108.929 SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4
		Antimicrobial Hi-TECH		D4.06109.929G SS WB29	D4.06108.929G SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4	
		Endura Solid Elastomer	Endura Solid Elastomer	D4.06109.839 EN SS WB29	D4.06108.839 EN SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	6	
			Thermo Hi-Temp	D4.06109.839 HT SS WB29	D4.06108.839 HT SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4	
		Phenolic - High Temp	Phenolic	D4.06109.339 HT SS WB29	D4.06108.339 HT SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	6-1/4	
			Phenolic	D4.06109.339 SS WB29	D4.06108.339 SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	6-1/4	
		Maxim Nylon Glass Filled	White Nylon	D4.06109.539 WN SS WB29	D4.06108.539 WN SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4	
			Hi-Temp Nylon Glass Filled	D4.06109.839 HTBLK SS WB29	D4.06108.839 HTBLK SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	5-3/4	
1250		HD Nylon Glass Filled	HD Nylon Glass Filled	D4.06109.839 DT SS WB29	D4.06108.839 DT SS WB29	Delrin, Bronze, PPBB	7-1/2"	4-7/8"	6-1/4	
	K Solid Polyurethane*		D4.06109.935 KW SS	D4.06108.935 KW SS	Delrin, Bronze	7-1/2"	4-7/8"	5-1/2		
	Commander HD*	Commander HD*	D4.06109.5PN SS	D4.06108.5PN SS	SS Prec. Ball Standard	7-1/2"	4-7/8"	9-3/4		
		Commander HD*	D4.06109.5PN SS	D4.06108.5PN SS	SS Prec. Ball Standard	7-1/2"	4-7/8"	9-3/4		
	8"	2"	500	Performa Conductive (Flat)	D4.08109.459 COND SS WB29	D4.08108.459 COND SS WB29	PPBB	9-1/2"	6-3/8"	6
			600	Performa Conductive (Round)	D4.08109.559 COND SS WB29	D4.08108.559 COND SS WB29	PPBB	9-1/2"	6-3/8"	6
				Performa (Round)	D4.08109.559 SS WB29	D4.08108.559 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	6
			675	Performa (Flat)	D4.08109.459 SS WB29	D4.08108.459 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	6
Retort Hi-Temp				D4.08109.839 RW SS WB29	D4.08108.839 RW SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	6-1/4	
900			Polyolefin	D4.08109.839 SS WB29	D4.08108.839 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	6-1/4	
			HydroTech	D4.08109.929 HF SS WB29	D4.08108.929 HF SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	5-3/4	
1200			Polyurethane Hi-TECH	Polyurethane Hi-TECH	D4.08109.929 SS WB29	D4.08108.929 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	7
		Antimicrobial Hi-TECH		D4.08109.929G SS WB29	D4.08108.929G SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	7	
		White Nylon	White Nylon	D4.08109.539 WN SS WB29	D4.08108.539 WN SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	8	
			Endura Solid Elastomer	D4.08109.839 EN SS WB29	D4.08108.839 EN SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	6-3/4	
		Thermo Hi-Temp	Thermo Hi-Temp	D4.08109.839 HT SS WB29	D4.08108.839 HT SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	7	
			Phenolic - High Temp	Phenolic	D4.08109.339 HT SS WB29	D4.08108.339 HT SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	8
		Phenolic	Phenolic	D4.08109.339 SS WB29	D4.08108.339 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	8	
			Maxim Nylon Glass Filled	HD Nylon Glass Filled	D4.08109.539 SS WB29	D4.08108.539 SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	7
1250		Hi-Temp Nylon Glass Filled	Hi-Temp Nylon Glass Filled	D4.08109.839 DT SS WB29	D4.08108.839 DT SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	8	
	Hi-Temp Nylon Glass Filled		D4.08109.839 HTBLK SS WB29	D4.08108.839 HTBLK SS WB29	Delrin, Bronze, PPBB	9-1/2"	6-3/8"	7		
	K Solid Polyurethane*	K Solid Polyurethane*	D4.08109.935 KW SS	D4.08108.935 KW SS	Delrin, Bronze	9-1/2"	6-3/8"	6-1/2		
		Commander HD*	D4.08109.5PN SS	D4.08108.5PN SS	SS Prec. Ball Standard	9-1/2"	6-3/8"	10		

*K Solid Polyurethane wheels standard with Pedestal Precision Ball Bearing (PPBB); Commander HD wheels standard with large Precision Ball Bearings.

Bearing Options

Wheels feature stainless steel roller bearings in above chart, unless otherwise noted. To order optional bearings, see information to right.



Stainless Steel Roller Bearing

Temperature Rating: 350°F
The standard bearing option in all above models with **WB29** specification.
High Temp wheel selections are automatically upgraded to stainless steel thrust and retaining washers.



Delrin® Bearing

Temperature Rating: 160°F (increases to 350°F continuous for high-temp wheel selections)
To order, change 10th digit to "1" and remove WB29 from model number.
(Example: D4.06109.921 SS)



Bronze Bearing

Temperature Rating: 525°F
To order, change the 10th digit in model number to "4" and remove WB29 from model number.
(Example: D4.06109.534 SS).



Stainless Steel Pedestal Precision Ball Bearing (PPBB)

Temperature Rating: 250°F (increases to 480°F continuous for high-temp wheel selections)
To order change 10th digit to "5" and remove WB29 from model number.
(Example: D4.06109.925 SS).
Sealed Precision Ball Bearing: Specify "P5". Minimum order quantities apply.

When specifying High Temp wheels: Delrin bearing selections are automatically upgraded to high temp nylon bearings (350°F continuous bearing rating); Precision Ball bearing selections are upgraded to high temp precision ball bearings (480°F continuous bearing rating); and Roller Bearing models are upgraded to include stainless steel thrust and retaining washers.

D4 Series

Colson

Defender D4 Stainless Steel Series Components

Swivel and Rigid Rigs



Wheel Dia.	Tread Width	*Load Capacity (lbs)	Mount Height	Swivel Caster Part #	Rigid Caster Part #
4"	2"	1250	5-5/8"	D4.04109SS	D4.04108SS
5"	2"	1250	6-1/2"	D4.05109SS	D4.05108SS
6"	2"	1250	7-1/2"	D4.06109SS	D4.06108SS
8"	2"	1250	9-1/2"	D4.08199SS	D4.08198SS



Total Lock Rigs

Wheel Dia.	Tread Width	*Load Capacity (lbs)	Mount Height	Part #
4"	2"	1250	5-5/8"	D4.04149SS BRK4
5"	2"	1250	6-1/2"	D4.05149SS BRK4
6"	2"	1250	7-1/2"	D4.06149SS BRK4
8"	2"	1250	9-1/2"	D4.08149SS BRK4

Brake Kits

All brake kits include axle, nut and necessary hardware to install on casters.

Top Lock (BRK7)

Only works with swivel casters.



Model #	Description
DEFTBK4X2SS	4" models
DEFTBK5X2SS	5" models
DEFTBK6X2SS	6" models
DEFTBK8X2SS	8" models

Side Lock (BRK3)

Only works with swivel and rigid roller bearing models. Fits all caster sizes.



Model #	Description
DEFCAMXX2SS	Comes with custom spanner bushing (roller bearing required)

Swivel Locks

Choice of hand operated or foot operated swivel locks.

Hand Operated Swivel Locks



SWVLOCKX2SS

For welded version, please consult factory.



Foot Operated Swivel Locks



05213.67

Hardware (All hardware parts sold per piece, not sets)

Axles, nuts and bushings



Stainless Steel Axle (Zerk)
1/2-13x3.75

AXLEZRKEX2SS



Stainless Steel Solid Axle
1/2-13x3.75

AXLESLDEX2SS



Stainless Steel Nut
1/2-13

AXLENUTEX2SS



Stainless Steel Spanner Bushing
1/2 X 3/4 X 2-7/16

SPANNEREX2SS

Washers



Stainless Steel Retaining Washer
RETAINEREX2SS



Stainless Steel Thrust Washer
THRUSTEX2SS

Bearings



Stainless Steel Roller Bearing

Temperature Rating:
350°F

3/4 I.D. (Use With Bushing For 1/2 I.D.)

BRGCROLLEX2SS



Bronze Bearing

Temperature Rating:
525°F

BRGBRZEX2



Stainless Steel Pedestal Precision Ball Bearing

Temperature Rating:
250°F

BRGPBALLEX2SS



High Temperature Stainless Steel Pedestal Precision Ball Bearing

Temperature Rating:
480°F continuous

BRGPBALLEX2SSHT



Flanged Delrin® Bearing

Temperature Rating:
160°F

3/4 I.D. (Use With Spanner For 1/2 I.D.)

BRGDELRNEX2



Flanged High Temperature Nylon Bearing

Temperature Rating:
350°F

3/4 I.D. (Use With Spanner For 1/2 I.D.)

BRGNYLONEX2HT

Raceway Seals



Upper and lower seals available on swivel and total lock caster models with exception of swivel locks.



Fork Type	Temperature Rating	Upper Part #	Lower Part #
Swivel	+140°F	51000.77	51001.76
	+450°F	51000.77HT	51001.76HT
Total Lock	+140°F	618836	618837