

# D1 / R1 Dual Wheel Kingpinless Series - Up to 6,000 lbs.

## Durable Superior Casters®



### Applications:

Ideal for: Towlines and shock load applications, production line dollies & trucks used in various industries including but not limited to: boat & ship molding and assembly, automotive, aerospace, metal fabricating, heavy machinery, military equipment, mobile homes, tractor pulled trailers, extreme duty platform trucks & material handling carts, aircargo & ground support equipment, storage tanks, gantries & heavy duty processing equipment, coliseum & gymnasium equipment, shipping / receiving carts, warehousing & freight terminal dollies and carts, and countless other applications.



### Options



Face Contact Brake (F)



T Handle Brake  
1 Side =(R) 2 Sides =(W)



4-Position Lock (P)



4-Position Lock Bolt-on. Order Separately  
Part# 4PSL57

Dual wheel casters offer higher weight capacities with minimal overall heights, better load distribution, floor protection and increased mobility than single wheel casters by spreading the weight over a wider floor area while offering wheel differential action, resulting in less friction between the wheels and the floor, requiring less effort for the caster to swivel. Our D1 Series casters are made out of ASTM1045 steel, drop forged 5/16" thick top plate integrates with a forged 3" diameter precisely machined raceway with a single row of hardened 1/2" ball bearings. The legs are formed from 3/8" steel, double welded to the outer raceway for maximum strength. Our unique offset raceway design, heat treatment and tempering processes allows our casters to carry the maximum weight of the bearings used, without horizontal wear, kingpin failure or fracturing of welds; these advantages enable our kingpinless casters to handle side thrust force better than our competitors designs.

- Dual wheel design offers higher weight capacities & load distribution than single wheel casters.
- Hot forged Kingpinless raceways; 1 piece integrally forged top plate and inner raceway design.
- 3/8" thick legs are robotically welded on both sides.
- 1/2" CNC machined grade 5 axle bolt & locknut.
- Zinc plated finish is attractive & corrosion resistant.
- Comes with Zerk grease fittings for maintenance.



### Top Plate Specifications

Plate Code	Overall Size	Bolt Hole Pattern	Mounting Bolt Size
19	4-1/2 x 6-1/4	2-7/16 x 4-15/16 slotted to 3-3/8 x 5-1/4	1/2

Polyon™		Polyon AL™		Polyon MaxRok™		PolyFlexon® Cast (Round)	PolyFlexon® (Round)	Champion™	EnergySaver Polyon™ (Crowned)	Dura-Lastomer®	Ergo-Lastomer™	
G	V	N	R	G	K							

**RoHS Compliant**

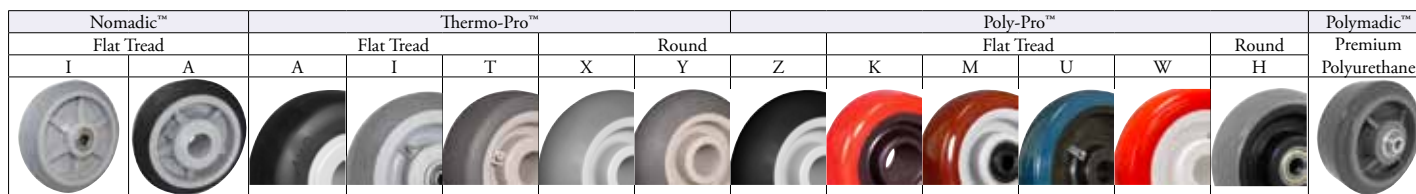
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Wheel Diameter	Overall Height	Swivel Radius
4	7	4-1/8
5	7-1/2	4-5/8
6	8	5-1/8
8	10-1/8	6-3/4



Dia	Tread Width	Wheel Type	Load Cap	Swivel caster part numbers shown below; to order Rigid casters change part# prefix D1 to R1					+Color
				Roller Bearing 04	Caged Roller Bearing 09	Tapered Bearing 73	Scaled Precision BB 48, 60, 63	Delrin, Bronze & Plain: 11, 12, 56, 57, 88, 96	
				CHOOSE BEARING TYPE: When multiple bearing choices exist; replace ## with desired bearing code.					
4	2 x 2	Nomadic™	800	D1NM40JB0419YY			D1NM40JB4819YY		
		Rubber on Nylon	800	D1NR40JB0419YY	D1NR40JB0919YY		D1NR40JB4819YY	D1NR40JB##19YY	
		Rubber on Aluminum	800	D1RA40JB0419YY				D1RA40JB##19YY	
		Low Profile Rubber	600	D1LP40JB0419YY					
		Mold-On Rubber	800	D1RS40JB0419YY					
		Thermo-Pro™	600				D1TP40JI4819YY		
		Thermo-Pro™	600	D1TP40J+0419YY	D1TP40J+0919YY		D1TP40J+4819YY	D1TP40J+##19YY	I,T,X,Y
		Polyolefin	1000	D1PO40JB0419YY	D1PO40JB0919YY		D1PO40JB6019YY	D1PO40JB##19YY	
		Nylon	1600	D1NY40JE0419YY	D1NY40JE0919YY		D1NY40JE6019YY		
		RokHard™	1600	D1HI40JB0419YY	D1HI40JB0919YY		D1HI40JB6019YY	D1HI40JB##19YY	
		BrimStone®	1600	D1GN40JQ0419YY	D1GN40JQ0919YY		D1GN40JQ6019YY	D1GN40JQ##19YY	
		MaxRok™	1600	D1MA40JB0419YY	D1MA40JB0919YY		D1MA40JB6019YY	D1MA40JB##19YY	
		Phenolic	1600	D1PH40JB0419YY	D1PH40JB0919YY		D1PH40JB6019YY	D1PH40JB##19YY	
		High-Temp Phenolic	1200	D1HT40JQ0419YY	D1HT40JQ0919YY		D1HT40JQ##19YY		
		Polyon MaxRok™	1400	D1MU40J+0419YY	D1MU40J+0919YY		D1MU40J+6319YY	D1MU40J+##19YY	G,K
		Polyon AL™	1600	D1PA40J+0419YY			D1PA40J+6019YY	D1PA40J+##19YY	N,R
		Poly-Pro™	1000	D1PP40J+0419YY	D1PP40J+0919YY		D1PP40J+6019YY	D1PP40J+##19YY	I,D,K,U,W
		Poly-Pro™	1000	D1PP40JM0419YY	D1PP40JM0919YY		D1PP40JM6319YY	D1PP40JM##19YY	
		Polymadic™	1200	D1PM40JI0419YY	D1PM40JI0919YY		D1PM40JI##19YY	D1PM40JI##19YY	
		Polyon™	1600			D1PU40JV7319YY	D1PU40JV6319YY		
		Polyon™	1600	D1PU40J+0419YY				D1PU40J+##19YY	G,V
		EnergySaver Polyon™	1600	D1SW40JU0419YY		D1SW40JU7319YY			
		PolyFlexon® Cast	1400	D1RP40JK0419YY			D1RP40JK4819YY	D1RP40JK##19YY	
		DuraLastomer®	1500	D1SU40JL0919YY			D1SU40JL6019YY	D1SU40JL##19YY	
		ErgoLastomer™	2000	D1HU40JI0419YY	D1HU40JI0919YY	D1HU40JI7319YY	D1HU40JI6319YY	D1HU40JI##19YY	
		Semi-Steel	1400	D1SS40JS0419YY				D1SS40JS##19YY	
		Heavy Duty Iron	1800	D1HS40JS0419YY			D1HS40JS6319YY		
Ductile	3000	D1DS40JR0419YY		D1DS40JR7319YY	D1DS40JR6319YY				
EnergySaver Ductile™	3000	D1CD40JR0419YY							

5	2 x 2	Nomadic™	100	D1NM50JB0419YY			D1NM50JB4819YY		
		Rubber on Nylon	900	D1NR50JB0419YY	D1NR50JB0919YY		D1NR50JB4819YY	D1NR50JB##19YY	
		Rubber on Aluminum	1000	D1RA50JB0419YY			D1RA50JB6019YY	D1RA50JB##19YY	
		Mold-On Rubber	800	D1RS50JB0419YY					
		CushEndure™	800				D1GR50JB1919YY		
		Thermo-Pro™	700				D1TP50JI6319YY		
		Thermo-Pro™	700	D1TP50J+0419YY	D1TP50J+0919YY		D1TP50J+6019YY	D1TP50J+##19YY	I,T,X,Y
		Polyolefin	1300	D1PO50JB0419YY	D1PO50JB0919YY		D1PO50JB6019YY	D1PO50JB##19YY	
		Nylon	1800	D1NY50JE0419YY	D1NY50JE0919YY		D1NY50JE6019YY	D1NY50JE##19YY	
		RokHard™	2000	D1HI50JB0419YY	D1HI50JB0919YY		D1HI50JB6019YY	D1HI50JB##19YY	
		BrimStone®	2000	D1GN50JQ0419YY	D1GN50JQ0919YY		D1GN50JQ6019YY	D1GN50JQ##19YY	
		MaxRok™	2000	D1MA50JB0419YY	D1MA50JB0919YY		D1MA50JB6019YY	D1MA50JB##19YY	
		Phenolic	2000	D1PH50JB0419YY	D1PH50JB0919YY		D1PH50JB6019YY	D1PH50JB##19YY	
		High-Temp Phenolic	1500	D1HT50JQ0419YY	D1HT50JQ0919YY		D1HT50JQ##19YY		
		Polyon MaxRok™	2000	D1MU50J+0419YY	D1MU50J+0919YY		D1MU50J+6319YY	D1MU50J+##19YY	G,K
		Polyon AL™	1800	D1PA50J+0419YY			D1PA50J+6019YY	D1PA50J+##19YY	N,R
		Poly-Pro™	1200	D1PP50J+0419YY	D1PP50J+0919YY		D1PP50J+6019YY	D1PP50J+##19YY	I,D,K,U,W
		Poly-Pro™	1200	D1PP50JM0419YY	D1PP50JM0919YY		D1PP50JM6319YY	D1PP50JM##19YY	
		Polymadic™	1500	D1PM50JI0419YY	D1PM50JI0919YY		D1PM50JI##19YY	D1PM50JI##19YY	
		Polyon™	2200			D1PU50JV7319YY	D1PU50JV6319YY		
		Polyon™	2200	D1PU50J+0419YY				D1PU50J+##19YY	G,V
		EnergySaver Polyon™	2600	D1SW50JU0419YY					
		PolyFlexon® Cast	1600	D1RP50JK0419YY			D1RP50JK6319YY		
		DuraLastomer®	1800	D1SU50JL0919YY			D1SU50JL6019YY	D1SU50JL##19YY	
		ErgoLastomer™	2800	D1HU50JI0419YY	D1HU50JI0919YY	D1HU50JI7319YY	D1HU50JI6319YY	D1HU50JI##19YY	
		Semi-Steel	2000	D1SS50JS0419YY				D1SS50JS##19YY	
		Heavy Duty Iron	2400	D1HS50JS0419YY			D1HS50JS6319YY		
Ductile	3000	D1DS50JR0419YY		D1DS50JR7319YY	D1DS50JR6319YY				
EnergySaver Ductile™	3000	D1CD50JR0419YY							

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Dia	Tread Width	Wheel Type	Load Cap	Swivel caster part numbers shown below; to order Rigid casters change part# prefix D1 to R1					+Color
				Roller Bearing 04	Caged Roller Bearing 09	Tapered Bearing 73	Sealed Precision BB 48, 60, 63	Delrin, Bronze & Plain: 11, 12, 56, 57, 88, 96	
				CHOOSE BEARING TYPE: When multiple bearing choices exist; replace ## with desired bearing code.					
6	2 x 2	Nomadic™	1200	D1NM60JB0419YY			D1NM60JB4819YY		
		Rubber on Nylon	1100	D1NR60JB0419YY	D1NR60JB0919YY			D1NR60JB##19YY	
		Dura Cushion™	700	D1BC60J-0419YY			D1BC60J+6319YY	D1BC60J+##19YY	X,Z
		Rubber on Aluminum	1100	D1RA60JB0419YY			D1RA60JB6019YY	D1RA60JB##19YY	
		Low Profile Rubber	1200	D1LP60JB0419YY					
		Mold-On Rubber	1100	D1RS60JB0419YY					
		Supreme Rubber™	1400				D1RH60JS7319YY		
		CushEndure™	900						
		Thermo-Pro™	1000	D1TP60J+0419YY	D1TP60J+0919YY		D1GR60JB1919YY		
		Polyolefin	1400	D1PO60JB0419YY	D1PO60JB0919YY		D1TP60J+6019YY	D1TP60J+##19YY	I,T,X,Y
		Nylon	2000	D1NY60JE0419YY	D1NY60JE0919YY		D1PO60JB6019YY	D1PO60JB##19YY	
		RokHard™	2400	D1HI60JB0419YY	D1HI60JB0919YY		D1NY60JE6019YY	D1NY60JE##19YY	
		BrimStone®	2200	D1GN60JQ0419YY	D1GN60JQ0919YY		D1HI60JB6019YY	D1HI60JB##19YY	
		MaxRok™	2400	D1MA60JB0419YY	D1MA60JB0919YY		D1GN60JQ6019YY	D1GN60JQ##19YY	
		Phenolic	2400	D1PH60JB0419YY	D1PH60JB0919YY		D1MA60JB6019YY	D1MA60JB##19YY	
		High-Temp Phenolic	1800	D1HT60JQ0419YY	D1HT60JQ0919YY		D1PH60JB6019YY	D1PH60JB##19YY	
		Polyon MaxRok™	2400	D1MU60J+0419YY	D1MU60J+0919YY			D1HT60JQ##19YY	
		Polyon AL™	2400	D1PA60J+0419YY			D1MU60J+6319YY	D1MU60J+##19YY	G,K
		Poly-Pro™	1440	D1PP60J+0419YY	D1PP60J+0919YY		D1PA60J+6019YY	D1PA60J+##19YY	N,R
		Poly-Pro™	1440	D1PP60JM0419YY	D1PP60JM0919YY		D1PP60+6019YY	D1PP60+##19YY	I,D,K,U,W
		Polymadic™	1800	D1PM60JI0419YY	D1PM60JI0919YY		D1PP60J+6319YY	D1PP60J##19YY	H,M
		Polyon™	2400				D1PM60J##19YY	D1PM60J##19YY	
		Polyon™	2400	D1PU60J+0419YY			D1PU60JV7319YY	D1PU60JV6319YY	
		EnergySaver™	2800	D1SW60JU0419YY					G,V
		PolyFlexon® Cast	1800				D1SW60JU7319YY	D1SW60JU6319YY	
		PolyFlexon®	1800					D1RP60JK4819YY	
		Champion™	2400					D1UA60JN6319YY	
		DuraLastomer®	2000	D1SU60JL0919YY				D1CP60JN6419YY	
		ErgoLastomer™	3400	D1HU60JI0419YY	D1HU60JI0919YY	D1HU60JI7319YY		D1SU60JL6019YY	D1SU60JL##19YY
		Semi-Steel	2400	D1SS60JS0419YY				D1HU60JI6319YY	D1HU60JI##19YY
Heavy Duty Iron	2800	D1HS60JS0419YY				D1SS60JS##19YY			
Ductile	4000	D1DS60JR0419YY			D1DS60JR7319YY				
EnergySaver Ductile™	4000	D1CD60JR0419YY							
Forged Steel	5000	D1FS60JS0419YY			D1FS60JS7319YY				
8	2 x 2	Nomadic™	1400	D1NM80JB0419YY			D1NM80JB4819YY		
		Rubber on Nylon	1200	D1NR80JB0419YY	D1NR80JB0919YY			D1NR80JB##19YY	
		Dura Cushion™	900	D1BC80J-0419YY			D1BC80J+6319YY	D1BC80J+##19YY	X,Z
		Eco-Rubber™	900				D1SN80UCP319YY		
		Rubber on Aluminum	1200	D1RA80JB0419YY			D1RA80JB6019YY	D1RA80JB##19YY	
		Mold-On Rubber	1200	D1RS80JB0419YY					
		Supreme Rubber™	1600				D1RH80JS7319YY		
		Thermo-Pro™	1200	D1TP80J+0419YY	D1TP80J+0919YY		D1TP80J+6019YY	D1TP80J+##19YY	I,T,X,Y
		Polyolefin	1800	D1PO80JB0419YY	D1PO80JB0919YY		D1PO80JB6019YY	D1PO80JB##19YY	
		Nylon	2200	D1NY80JE0419YY	D1NY80JE0919YY		D1NY80JE6019YY	D1NY80JE##19YY	
		RokHard™	2800	D1HI80JB0419YY	D1HI80JB0919YY		D1HI80JB6019YY	D1HI80JB##19YY	
		BrimStone®	2400	D1GN80JQ0419YY	D1GN80JQ0919YY		D1GN80JQ6019YY	D1GN80JQ##19YY	
		MaxRok™	2800	D1MA80JB0419YY	D1MA80JB0919YY		D1MA80JB6019YY	D1MA80JB##19YY	
		Phenolic	2800	D1PH80JB0419YY	D1PH80JB0919YY		D1PH80JB6019YY	D1PH80JB##19YY	
		High-Temp Phenolic	2200	D1HT80JQ0419YY	D1HT80JQ0919YY			D1HT80JQ##19YY	
		Polyon MaxRok™	2800	D1MU80J+0419YY	D1MU80J+0919YY		D1MU80J+6319YY	D1MU80J+##19YY	G,K
		Polyon AL™	3000	D1PA80J+0419YY			D1PA80J+6019YY	D1PA80J+##19YY	N,R
		Poly-Pro™	1600	D1PP80J+0419YY	D1PP80J+0919YY		D1PP80J+6019YY	D1PP80J+##19YY	I,D,K,U,W
		Poly-Pro™	1600	D1PP80JM0419YY	D1PP80JM0919YY		D1PP80J+6319YY	D1PP80J##19YY	H,M
		Polymadic™	2000	D1PM80JI0419YY	D1PM80JI0919YY		D1PM80J##19YY	D1PM80J##19YY	
		Polyon™	2800				D1PU80JV7319YY	D1PU80JV6319YY	
		Polyon™	2800	D1PU80J+0419YY					G,V
		EnergySaver™	3000	D1SW80JU0419YY			D1SW80JU7319YY	D1SW80JU6319YY	
		PolyFlexon® Cast	2000					D1RP80JK6319YY	
		PolyFlexon®	2000					D1UA80JN6319YY	
		Champion™	3000					D1CP80JN6419YY	
		DuraLastomer®	2000	D1SU80JL0919YY				D1SU80JL6019YY	D1SU80JL##19YY
		ErgoLastomer™	4000	D1HU80JI0419YY	D1HU80JI0919YY	D1HU80JI7319YY		D1HU80JI6319YY	D1HU80JI##19YY
		Semi-Steel	2800	D1SS80JS0419YY				D1SS80JS##19YY	
		Heavy Duty Iron	3200	D1HS80JS0419YY			D1HS80JS6319YY		
Ductile	4000	D1DS80JR0419YY			D1DS80JR6319YY				
EnergySaver Ductile™	4000	D1CD80JR0419YY							
Forged Steel	6000	D1FS80JS0419YY			D1FS80JS7319YY				