

47 / 48 Medium Heavy Duty Kingpinless Series - Up to 2,000 lbs.

Durable Superior Casters®



Durable Superior Casters® Kingpinless Casters are designed for unsurpassed durability and use in abusive and demanding shock load applications that may cause traditional kingpin casters to fail. Our 47 Series casters are made out of ASTM1045 steel, drop forged 1/4" thick top plate integrates with a forged 2-3/8" diameter precisely machined raceway with a single row of hardened 3/8" ball bearings. The legs are formed from 1/4" steel, double welded to the outer raceway for maximum strength. Our unique offset raceway design, heat treatment and tempering processes allows ours 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.

Popular uses include: various carts, platform trucks, dollies and racks used in both tow line -motor assisted and manual applications in manufacturing, assembly and processing plants, automotive plants, air cargo, ground support, freight terminals, warehousing, military, trash containers and many other demanding medium heavy duty applications in severe environments.

- Integral structure of hardened raceway and top plate eliminate the problem of kingpin loose while caster ages.
- Induction hardened process assures the raceway is fully hardened for maximum of load capacity and life.
- Optional extended swivel lead and overall heights are available,
- Zinc plated finish is attractive and corrosion resistant.
- Large selection of wheels, wheel bearing and brake options.
- Grease fitting in raceway and wheel axle.
- Standard stock series = Quick Deliveries
- 1/2 axle



Options



Top Lock Brake (T)



A-Cam Brake (A)



Cam-Lock Brake (C)



4-Position Lock (P)



Thread Guards (G)



4-Position Lock Bolt-on. Order Separately Part# 4PSL27

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

Overall Heights, Offsets & Swivel Radius.

To order optional overall height, replace the standard wheel diameter designation with optional code. (Example: 47HU81JI6319YY)

Wheel Diameter	Designation Code	Overall Height	Offset	Swivel Radius
4	40	5-5/8	1-11/16	3-11/16
5	50	6-1/2	1-3/8	3-7/8
6	60	7-1/2	1-9/16	4-9/16
8	80	10-1/8	2-3/4	6-3/4
8	8	9-1/2	2-3/4	6-3/4



RoHS Compliant



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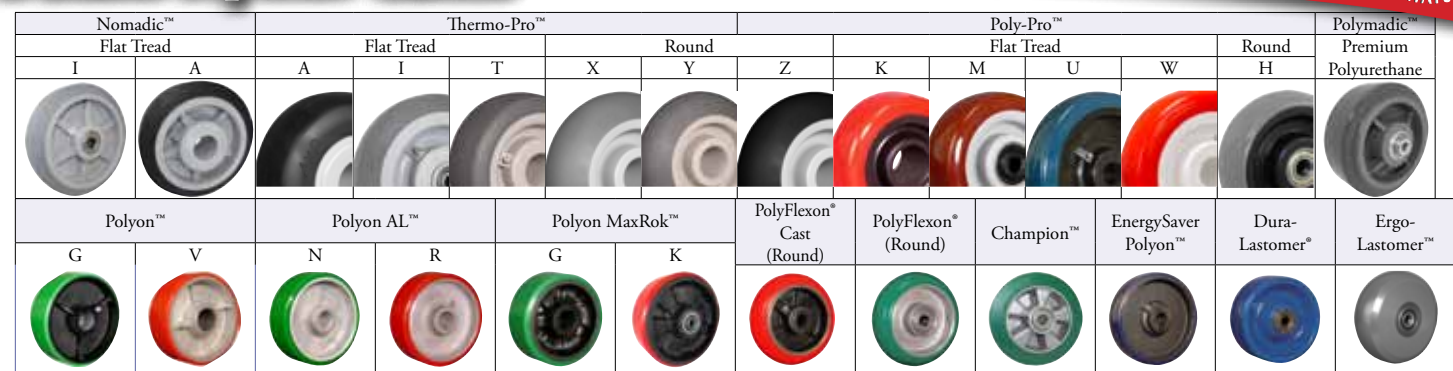
Dia	Tread Width	Wheel Type	Load Cap	Swivel caster part numbers shown below; to order Rigid casters change part# prefix 47 to 48					+Color	
				Roller Bearing 04	Caged Roller Bearing 09	Tapered Bearing 73	Sealed Precision BB 48, 60, 63	Delrin, Bronze & Plain: 11, 12, 56, 57, 88, 96		
				CHOOSE BEARING TYPE: When multiple bearing choices exist; replace ## with desired bearing code.						
4	2	Yoke Only	400	47ZZ40JZ8319YY						
		Nomadic™	400	47NM40JB0419YY			47NM40JB4819YY			
		Rubber on Nylon	400	47NR40JB0419YY	47NR40JB0919YY		47NR40JB4819YY	47NR40JB##19YY		
		Rubber on Aluminum	400	47RA40JB0419YY				47RA40JB##19YY		
		Low Profile Rubber	300	47LP40JB0419YY						
		Mold-On Rubber	400	47RS40JB0419YY						
		Thermo-Pro™	300					47TP40JL4819YY		
		Thermo-Pro™	300	47TP40J+0419YY	47TP40J+0919YY			47TP40J+4819YY	47TP40J+##19YY	I,T,X,Y
		Polyolefin	500	47PO40JB0419YY	47PO40JB0919YY			47PO40JB6019YY	47PO40JB##19YY	
		Nylon	800	47NY40JE0419YY	47NY40JE0919YY			47NY40JE6019YY		
		RokHard™	800	47HI40JB0419YY	47HI40JB0919YY			47HI40JB6019YY	47HI40JB##19YY	
		BrimStone®	800	47GN40JQ0419YY	47GN40JQ0919YY			47GN40JQ6019YY	47GN40JQ##19YY	
		MaxRok™	800	47MA40JB0419YY	47MA40JB0919YY			47MA40JB6019YY	47MA40JB##19YY	
		Phenolic	800	47PH40JB0419YY	47PH40JB0919YY			47PH40JB6019YY	47PH40JB##19YY	
		High-Temp Phenolic	600	47HT40JQ0419YY	47HT40JQ0919YY				47HT40JQ##19YY	
		Polyon MaxRok™	700	47MU40J+0419YY	47MU40J+0919YY			47MU40J+6319YY	47MU40J+##19YY	G,K
		Polyon AL™	800	47PA40J+0419YY				47PA40J+6019YY	47PA40J+##19YY	N,R
		Poly-Pro™	500	47PP40J+0419YY	47PP40J+0919YY			47PP40J+6019YY	47PP40J+##19YY	I,D,K,U,W
		Poly-Pro™	500	47PP40JM0419YY	47PP40JM0919YY			47PP40JM6319YY	47PP40JM##19YY	
		Polymadic™	600	47PM40JI0419YY	47PM40JI0919YY			47PM40JI##19YY	47PM40JI##19YY	
		Polyon™	800			47PU40JV7319YY		47PU40JV6319YY		
		Polyon™	800	47PU40J+0419YY					47PU40J+##19YY	G,V
		EnergySaver Polyon™	800	47SW40JU0419YY		47SW40JU7319YY				
		PolyFlexon® Cast	700	47RP40JK0419YY				47RP40JK4819YY	47RP40JK##19YY	
DuraLastomer®	750		47SU40JL0919YY			47SU40JL6019YY	47SU40JL##19YY			
ErgoLastomer™	1000	47HU40JI0419YY	47HU40JI0919YY	47HU40JI7319YY		47HU40JI6319YY	47HU40JI##19YY			
Semi-Steel	700	47SS40JS0419YY					47SS40JS##19YY			
Heavy Duty Iron	900	47HS40JS0419YY				47HS40JS6319YY				
Ductile	1500	47DS40JR0419YY		47DS40JR7319YY		47DS40JR6319YY				
EnergySaver Ductile™	1500	47CD40JR0419YY								
MaxRok™ V-Groove	800	47MV40JT0419YY				47MV40JT6019YY	47MV40JT##19YY			
Iron V-Groove	600	47VG40JT0419YY								
Ductile V-Groove	1500	47DV40JT0419YY								

5	2	Yoke Only	500	47ZZ50JZ8319YY						
		Nomadic™	500	47NM50JB0419YY			47NM50JB4819YY			
		Rubber on Nylon	450	47NR50JB0419YY	47NR50JB0919YY		47NR50JB4819YY	47NR50JB##19YY		
		Rubber on Aluminum	500	47RA50JB0419YY			47RA50JB6019YY	47RA50JB##19YY		
		Mold-On Rubber	400	47RS50JB0419YY						
		Thermo-Pro™	350					47TP50JL6319YY		
		Thermo-Pro™	350	47TP50J+0419YY	47TP50J+0919YY			47TP50J+6019YY	47TP50J+##19YY	I,T,X,Y
		Polyolefin	650	47PO50JB0419YY	47PO50JB0919YY			47PO50JB6019YY	47PO50JB##19YY	
		Nylon	900	47NY50JE0419YY	47NY50JE0919YY			47NY50JE6019YY	47NY50JE##19YY	
		RokHard™	1000	47HI50JB0419YY	47HI50JB0919YY			47HI50JB6019YY	47HI50JB##19YY	
		BrimStone®	1000	47GN50JQ0419YY	47GN50JQ0919YY			47GN50JQ6019YY	47GN50JQ##19YY	
		MaxRok™	1000	47MA50JB0419YY	47MA50JB0919YY			47MA50JB6019YY	47MA50JB##19YY	
		Phenolic	1000	47PH50JB0419YY	47PH50JB0919YY			47PH50JB6019YY	47PH50JB##19YY	
		High-Temp Phenolic	750	47HT50JQ0419YY	47HT50JQ0919YY				47HT50JQ##19YY	
		Polyon MaxRok™	1000	47MU50J+0419YY	47MU50J+0919YY			47MU50J+6319YY	47MU50J+##19YY	G,K
		Polyon AL™	900	47PA50J+0419YY				47PA50J+6019YY	47PA50J+##19YY	N,R
		Poly-Pro™	600	47PP50J+0419YY	47PP50J+0919YY			47PP50J+6019YY	47PP50J+##19YY	I,D,K,U,W
		Poly-Pro™	600	47PP50JM0419YY	47PP50JM0919YY			47PP50JM6319YY	47PP50JM##19YY	
		Polymadic™	750	47PM50JI0419YY	47PM50JI0919YY			47PM50JI##19YY	47PM50JI##19YY	
		Polyon™	1100			47PU50JV7319YY		47PU50JV6319YY		
		Polyon™	1100	47PU50J+0419YY					47PU50J+##19YY	G,V
		EnergySaver Polyon™	1300	47SW50JU0419YY						
		PolyFlexon® Cast	800	47RP50JK0419YY				47RP50JK6319YY		
		DuraLastomer®	900		47SU50JL0919YY			47SU50JL6019YY	47SU50JL##19YY	
ErgoLastomer™	1400	47HU50JI0419YY	47HU50JI0919YY	47HU50JI7319YY		47HU50JI6319YY	47HU50JI##19YY			
Semi-Steel	1000	47SS50JS0419YY					47SS50JS##19YY			
Heavy Duty Iron	1200	47HS50JS0419YY				47HS50JS6319YY				
Ductile	1500	47DS50JR0419YY		47DS50JR7319YY		47DS50JR6319YY				
EnergySaver Ductile™	1500	47CD50JR0419YY								
Iron V-Groove	900	47VG50JT0419YY								



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				Roller Bearing 04	Caged Roller Bearing 09	Tapered Bearing 73	Sealed Precision BB 48, 60, 63, 64	Delrin, Bronze & Plain: 11, 12, 56, 57, 88, 96	
				CHOOSE BEARING TYPE: When multiple bearing choices exist; replace ## with desired bearing code.					

6	2	Nomadic™	600	47NM60JB0419YY			47NM60JB4819YY			
		Rubber on Nylon	550	47NR60JB0419YY	47NR60JB0919YY			47NR60JB##19YY	X,Z	
		Dura Cushion™	350	47BC60J-0419YY				47BC60J+6319YY	47BC60J##19YY	
		Rubber on Aluminum	550	47RA60JB0419YY				47RA60JB6019YY	47RA60JB##19YY	
		Mold-On Rubber	550	47RS60JB0419YY						
		Supreme Rubber™	700				47RH60JS7319YY			
		Thermo-Pro™	500	47TP60J+0419YY	47TP60J+0919YY			47TP60J+6019YY	47TP60J+##19YY	I,T,X,Y
		Polyolefin	700	47PO60JB0419YY	47PO60JB0919YY			47PO60JB6019YY	47PO60JB##19YY	
		Nylon	1000	47NY60JE0419YY	47NY60JE0919YY			47NY60JE6019YY	47NY60JE##19YY	
		RokHard™	1200	47HI60JB0419YY	47HI60JB0919YY			47HI60JB6019YY	47HI60JB##19YY	
		BrimStone®	1100	47GN60JQ0419YY	47GN60JQ0919YY			47GN60JQ6019YY	47GN60JQ##19YY	
		MaxRok™	1200	47MA60JB0419YY	47MA60JB0919YY			47MA60JB6019YY	47MA60JB##19YY	
		Phenolic	1200	47PH60JB0419YY	47PH60JB0919YY			47PH60JB6019YY	47PH60JB##19YY	
		High-Temp Phenolic	900	47HT60JQ0419YY	47HT60JQ0919YY			47HT60JQ6019YY	47HT60JQ##19YY	
		Polyon MaxRok™	1200	47MU60J+0419YY	47MU60J+0919YY			47MU60J+6319YY	47MU60J+##19YY	G,K
		Polyon AL™	1200	47PA60J+0419YY				47PA60J+6019YY	47PA60J+##19YY	N,R
		Poly-Pro™	720	47PP60J+0419YY	47PP60J+0919YY			47PP60J+##19YY	47PP60J+##19YY	I,D,*H,K,M,U,W
		Polymadic™	900	47PM60JI0419YY	47PM60JI0919YY			47PM60JI##19YY	47PM60JI##19YY	
		Polyon™	1200				47PU60JV7319YY	47PU60JV6319YY		
		Polyon™	1200	47PU60J+0419YY					47PU60J+##19YY	G,V
EnergySaver Polyon™	1400	47SW60JU0419YY			47SW60JU7319YY	47SW60JU6319YY				
PolyFlexon® Cast	900					47RP60JK4819YY				
PolyFlexon®	900					47UA60JN6319YY				
Champion™	1200					47CP60JN6419YY				
DuraLastomer®	1000		47SU60JL0919YY			47SU60JL6019YY	47SU60JL##19YY			
ErgoLastomer™	1700	47HU60JI0419YY	47HU60JI0919YY	47HU60JI7319YY		47HU60JI6319YY	47HU60JI##19YY			
Semi-Steel	1200	47SS60JS0419YY					47SS60JS##19YY			
Heavy Duty Iron	1400	47HS60JS0419YY				47HS60JS6319YY				
Ductile	2000	47DS60JR0419YY			47DS60JR7319YY	47DS60JR6319YY				
EnergySaver Ductile™	2000	47CD60JR0419YY								
Forged Steel	2000	47FS60JS0419YY			47FS60JS7319YY					
Iron V-Groove	1000	47VG60JT0419YY								
Ductile V-Groove	1500	47DV60JT0419YY				47DV60JT6319YY				

8	2	Nomadic™	700	47NM80JB0419YY			47NM80JB4819YY			
		Rubber on Nylon	600	47NR80JB0419YY	47NR80JB0919YY			47NR80JB##19YY	X,Z	
		Dura Cushion™	450	47BC80J+0419YY				47BC80J+6063YY	47BC80J+##19YY	
		Rubber on Aluminum	600	47RA80JB0419YY				47RA80JB6060YY	47RA80JB##19YY	
		Mold-On Rubber	600	47RS80JB0419YY						
		Supreme Rubber™	800				47RH80JS7319YY			
		Thermo-Pro™	600	47TP80J+0419YY	47TP80J+0919YY			47TP80J+6019YY	47TP80J+##19YY	I,T,X,Y
		Nylon	1100	47NY80JE0419YY	47NY80JE0919YY			47NY80JE6019YY	47NY80JE##19YY	
		RokHard™	1400	47HI80JB0419YY	47HI80JB0919YY			47HI80JB6019YY	47HI80JB##19YY	
		BrimStone®	1200	47GN80JQ0419YY	47GN80JQ0919YY			47GN80JQ6019YY	47GN80JQ##19YY	
		MaxRok™	1400	47MA80JB0419YY	47MA80JB0919YY			47MA80JB6019YY	47MA80JB##19YY	
		Phenolic	1400	47PH80JB0419YY	47PH80JB0919YY			47PH80JB6019YY	47PH80JB##19YY	
		High-Temp Phenolic	1100	47HT80JQ0419YY	47HT80JQ0919YY			47HT80JQ6019YY	47HT80JQ##19YY	
		Polyon MaxRok™	1400	47MU80J+0419YY	47MU80J+0919YY			47MU80J+6319YY	47MU80J+##19YY	G,K
		Polyon AL™	1500	47PA80J+0419YY				47PA80J+6019YY	47PA80J+##19YY	N,R
		Poly-Pro™	800	47PP80J+0419YY	47PP80J+0919YY			47PP80J+##19YY	47PP80J+##19YY	I,D,*H,K,M,U,W
		Polymadic™	1000	47PM80JI0419YY	47PM80JI0919YY			47PM80JI##19YY	47PM80JI##19YY	
		Polyon™	1400				47PU80JV7319YY	47PU80JV6319YY		
		Polyon™	1400	47PU80J+0419YY					47PU80J+##19YY	G,V
		EnergySaver Polyon™	1500	47SW80JU0419YY			47SW80JU7319YY	47SW80JU6319YY		
PolyFlexon® Cast	1000					47RP80JK6319YY				
PolyFlexon®	1000					47UA80JN6319YY				
Champion™	1500					47CP60JN6419YY				
DuraLastomer®	1000		47SU80JL0919YY			47SU80JL6019YY	47SU80JL##19YY			
ErgoLastomer™	2000	47HU80JI0419YY	47HU80JI0919YY	47HU80JI7319YY		47HU80JI6319YY	47HU80JI##19YY			
Semi-Steel	1400	47SS80JS0419YY					47SS80JS##19YY			
Heavy Duty Iron	1600	47HS80JS0419YY				47HS80JS6319YY				
Ductile	2000	47DS80JR0419YY			47DS80JR7319YY	47DS80JR6319YY				
EnergySaver Ductile™	2000	47CD80JR0419YY								
Forged Steel	2000	47FS80JS0419YY			47FS80JS7319YY					
Iron V-Groove	1200	47VG80JT0419YY								

*"H" color round tread Poly-Pro™ wheel; available only with 63 precision BB.