



# 81 Heavy Duty -Economy Industrial Grade Cold Forged Series

Durable Superior Casters®



This series offers the increased capacity, mobility & durability of using larger profile wheels, a heavy duty kingpin and thicker steel forks with the economical advantage of cold forged construction v/s hot forged construction. This is the heaviest cold forged caster series available; made from 3/8" thick cold rolled steel, both the double ball raceways and top plate are heat treated; assembled with a 3/4" diameter kingbolt for added strength and long service life.

- Heaviest cold forged steel casters available, durable & economical.
- 3/8" Thick cold rolled steel construction.
- Zerk grease fitting in raceway & wheel axle for easy maintenance.
- 3/4" Heavy duty kingbolt.
- Legs are robotically double-side welded.
- 3/4" axle bolt & locknut.
- Zinc plated finish is attractive & corrosion resistant.
- Standard stock series = Quick Deliveries



**Options**

Face Contact Brake (F)

4-Position Lock (P)

4-Position Lock Bolt-on. Order Separately Part# 4PSL43

### 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

Mold-on Rubber	Polyon™		EnergySaver-Polyon™	ErgoLastomer™	Phenolic	Semi-Steel	Ductile	EnergySaver Ductile™ (Crowned)
	G	V						

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## Durable Superior Casters®



Dia	Tread Width	Wheel Type	Load Cap	Swivel caster part numbers shown below; to order Rigid casters change part# prefix 81 to 82			+Color	Overall Height	Swivel Radius
				Roller Bearing: 23	Tapered Bearing: 70	Scaled Precision BB: 65			
				CHOOSE BEARING TYPE: When multiple bearing choices exist; replace ## with desired bearing code.					
5	2-1/2	Yoke Only		81ZZ50KZ8819YY			6-1/2	4-3/4	
		Polyon™	1400	81PU50KG2319YY					
		Ductile Steel	1800	81DS50KR2319YY					
6	2-1/2	Yoke Only		81ZZ60KZ8819YY			7-1/2	5-1/4	
		Mold-On Rubber	700	81RS60KB2319YY					
		Phenolic	1600	81PH60KB2319YY					
		Polyon™	1600	81PU60K+2319YY		G,V			
		EnergySaver Polyon™	1700	81SW60KU+2319YY	81SW60KU7019YY				
		ErgoLastomer™	1800			81HU60KI6519YY			
		Semi-Steel	1800	81SS60KS2319YY					
		Ductile Steel	1800	81DS60KR2319YY	81DS60KR7019YY				
EnergySaver Ductile™	1800	81CD60KR2319YY	81CD60KR7019YY						
8	2-1/2	Yoke Only		81ZZ80KZ8819YY			10-1/8	6-1/4	
		Mold-On Rubber	850	81RS80KB2319YY					
		Phenolic	1800	81PH80KB2319YY					
		Polyon™	1800	81PU80K+2319YY		G,V			
		EnergySaver Polyon™	1800	81SW80KU2319YY	81SW80KU7019YY				
		ErgoLastomer™	1800			81HU80KI6519YY			
		Semi-Steel	1800	81SS80KS2319YY					
		Ductile	1800	81DS80KR2319YY	81DS80KR7019YY				
EnergySaver Ductile™	1800	81CD80KR2319YY	81CD80KR7019YY						
10	2-1/2	Yoke Only		81ZZ10KZ8819YY			11-1/2	7-1/4	
		Mold-On Rubber	1000	81RS10KB2319YY					
		Phenolic	1800	81PH10KB2319YY					
		Polyon™	1800	81PU10K+2319YY		G,V			
		EnergySaver Polyon™	1800	81SW10KU2319YY	81SW10KU7019YY				
		Semi-Steel	1800	81SS10KS2319YY					
		Ductile	1800	81DS10KR2319YY	81DS10KR7019YY				

### CHOOSING THE RIGHT WHEEL BEARINGS FOR YOUR APPLICATION

#### ROLLER BEARING



Standard bearing for general duty applications; cost effective, best bearing for abusive and shock load applications. Not recommended for applications where side thrust is present or on casters used in constant circular turns. Requires periodical lubrication.

#### TAPERED ROLLER BEARING



Heaviest duty type of roller bearings with the added advantage of tapered design. Inner & outer raceways are precision machined and heat treated. Wheels come with 1 cup, cone, seal & thrust bushing on each side. This is the best bearing for extreme duty loads & towing applications. Maximizes the weight capacity and mobility of the wheel. Requires periodical lubrication.

#### SEALED PRECISION BEARINGS (63)



Ergonomic solution: Sealed precision bearings offer low rolling resistance and require the least amount of force to start and maintain a rolling load; excellent for both manual mobility & tow line applications. Maintenance Free! Two top hat spanner bushings are added to secure precise spacing & stability. Not recommended for side thrust or shock load applications.