



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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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.