

# RODAJA ALTO IMPACTO DUAL - 20,000 LBS



**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.



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 D3 Series casters are made out of ASTM1045 steel, drop forged 1/2" thick top plate integrates with a forged 4-1/2" diameter precisely machined raceway with a single row of hardened 5/8" 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.
- 3/4" CNC machined grade 8 axle bolt & locknut.
- Zinc plated finish is attractive & corrosion resistant.
- Comes with Zerk grease fittings for maintenance.
- D3 is a Standard stock series = Quick Deliveries.



### Options



Face Contact Brake (F)



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



4-Position Lock Bolt-on. Order Separately Part# 4PSL63

### Top Plate Specifications

Plate Code	Overall Size	Bolt Hole Pattern	Mounting Bolt Size
30	6-1/4 x 7-1/4	4-1/2 x 6 slotted to 4-1/8 x 6-1/8	1/2 or 9/16

Mold-on Rubber	Supreme Rubber™	Polyon™		EnergySaver Polyon™	UltraPoly™	EgoLastomer™	Phenolic	HT Phenolic High Temp	Semi-Steel	Ductile	Energy Saver Ductile™ (Crowned)	Forged Steel
		G	V									

### CHOOSING THE RIGHT WHEEL BEARINGS FOR YOUR APPLICATION

ROLLER BEARING	TAPERED ROLLER BEARING	SEALED PRECISION BEARINGS (63)
<p>Standard bearing for general duty applications; most effective, best bearing for a positive and shock load applications. Not recommended for applications where side thrust is present or on casters used in motion at circular turns. Requires periodic lubrication.</p>	<p>Heaviest duty type of roller bearings with the added advantage of tapered design. Inner &amp; outer raceways are precision machined and heat treated. Wheels come with 1 cup, cone, seal &amp; thrust bushing on each side. This is the best bearing for extreme duty loads &amp; towing applications. Maximizes the weight capacity and mobility of the wheel. Requires periodic lubrication.</p>	<p>Economical solution! Sealed precision bearings offer low roll resistance and require the least amount of force to start and maintain a rolling load. Excellent for manual mobility &amp; towline applications. Maintenance Free! Two top bearing bushings are added to secure precise spacing &amp; stability. Not recommended for side thrust or shock load applications.</p>

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Wheel Diameter	Tread Width	Wheel Type	Swivel caster part numbers shown below; to order Rigid casters change part# prefix D3 to R3					Weight Capacity	Color	Overall Height	Swivel Radius				
			Roller Bearings 24, 27	Weight Capacity	Tapered Bearings 70, 79	Weight Capacity	Sealed Precision B & B's 65								
6	3 x 2	Mold-On Rubber	D3RS60LB2430YY	1500					G, V	8-27/32	5-13/16				
		Supreme Rubber™	D3RH60LS2430YY	1700	D3RH60LS7030YY	1700									
		Phenolic	D3PH60LB2430YY	4000											
		Polyon™	D3PU60L2430YY	4000											
		EnergySaver Polyon™	D3SW60LU2430YY	4400	D3SW60LU7030YY	4400									
		UltraPoly™	D3EX60LC2430YY	6000	D3EX60LC7030YY	6000	D3EX60LC6530YY	6000							
		EgoLastomer™					D3HU60LR6530YY	5800							
		Semi-Steel	D3SS60LS2430YY	5000											
		Ductile	D3DS60LR2430YY	12000	D3DS60LR7030YY	20000	D3DS60LR6530YY	12000							
		EnergySaver Ductile™	D3CD60LR2430YY	12000	D3CD60LR7030YY	20000	D3CD60LR6530YY	12000							
		Forged Steel	D3FS60LS2730YY	16000	D3FS60LS7930YY	20000									
		8	3 x 2	Mold-On Rubber	D3RS80LB2430YY	1800							G, V	10-7/8	7-1/2
				Supreme Rubber™	D3RH80LS2430YY	2000	D3RH80LS7030YY	2000							
Phenolic	D3PH80LB2430YY			5000											
High-Temp Phenolic	D3HT80LQ2430YY			3000											
Polyon™	D3PU80L2430YY			5000											
EnergySaver Polyon™	D3SW80LU2430YY			5400	D3SW80LU7030YY	5400									
UltraPoly™	D3EX80LC2430YY			7000	D3EX80LC7030YY	7000	D3EX80LC6530YY	7000							
EgoLastomer™							D3HU80LR6530YY	6800							
Semi-Steel	D3SS80LS2430YY			5000											
Ductile	D3DS80LR2430YY			12000	D3DS80LR7030YY	20000	D3DS80LR6530YY	12000							
EnergySaver Ductile™	D3CD80LR2430YY			12000	D3CD80LR7030YY	20000									
Forged Steel	D3FS80LS2730YY			16000	D3FS80LS7930YY	20000									
10	3 x 2			Mold-On Rubber	D3RS10LB2430YY	2200				G, V	12-13/16	9			
		Supreme Rubber™	D3RH10LS2430YY	2600	D3RH10LS7030YY	2600									
		Phenolic	D3PH10LB2430YY	5900											
		High-Temp Phenolic	D3HT10LQ2430YY	4800											
		Polyon™	D3PU10L2430YY	6000											
		EnergySaver Polyon™	D3SW10LU2430YY	6000	D3SW10LU7030YY	6000									
		UltraPoly™	D3EX10LC2430YY	8000	D3EX10LC7030YY	8000	D3EX10LC6530YY	8000							
		EgoLastomer™					D3HU10LR6530YY	6400							
		Semi-Steel	D3SS10LS2430YY	5000											
		Ductile	D3DS10LR2430YY	12000	D3DS10LR7030YY	20000	D3DS10LR6530YY	12000							
		EnergySaver Ductile™	D3CD10LR2430YY	12000	D3CD10LR7030YY	20000									
		Forged Steel	D3FS10LS2730YY	16000	D3FS10LS7930YY	20000									
		12	3 x 2	Mold-On Rubber	D3RS12LB2430YY	2600							G, V	15-1/2	11
Supreme Rubber™	D3RH12LS2430YY			2800	D3RH12LS7030YY	2800									
Phenolic	D3PH12LB2430YY			7000											
Polyon™	D3PU12L2430YY			7000											
High-Temp Phenolic	D3HT12LQ2430YY			5200											
EnergySaver Polyon™	D3SW12LU2430YY			7000	D3SW12LU7030YY	7000									
UltraPoly™	D3EX12LC2430YY			10000	D3EX12LC7030YY	10000	D3EX12LC6530YY	10000							
Semi-Steel	D3SS12LS2430YY			5000											
Ductile	D3DS12LR2430YY			12000	D3DS12LR7030YY	20000	D3DS12LR6530YY	16000							
EnergySaver Ductile™	D3CD12LR2430YY			12000	D3CD12LR7030YY	20000									
Forged Steel	D3FS12LS2730YY			16000	D3FS12LS7930YY	20000									