



# SL7003

## SPRING LOADED SERIES

**1,000 LBS**  
[casterdepot.com](http://casterdepot.com)



### FEATURES

**KINGPIN:** 5/8" diameter nut and bolt coined  
**RACEWAY:** 5/16" diameter upper race; 1/4" diameter lower race; hardened steel load bearings  
**BUSHING:** Roller bearings with drilled hardened steel spanner bushing and plastic side washers

**AXLE&NUT:** 1/2" zerk axle and lock nut (except with PB)  
**FINISH:** Corrosion resistant bright zinc  
**LUBRICATION:** Grease nipple in lower race  
**HARDENED:** Work hardened double ball race  
**LEG SPACING:** 2 1/2"

US Patent No: 6,539,578  
 CAD Patent No: 2,311,524

### EXCELLENT FOR:

- Mobile motion picture staging
- In-plant trailer parts
- Trash containers
- Tool carts
- Amusement parks
- Asphalt paving machinery
- Aircraft ground support equipment
- Material handling equipment



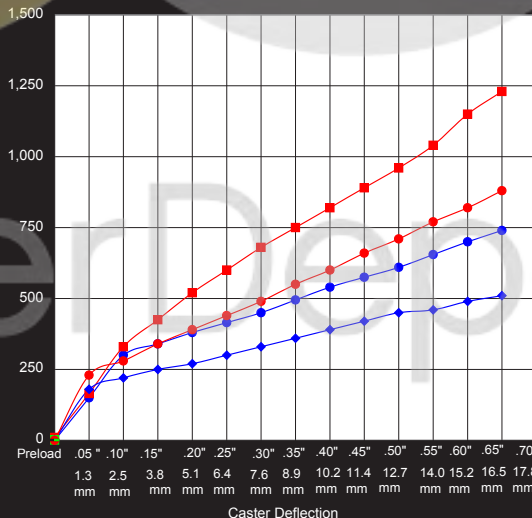
### OPTIONS:

- AWL A Lock Wheel Brake (for 6" only)  
 UWB Universal Wheel Brake  
 1PSL 1 Position Swivel Lock  
 2PSL 2 Position Swivel Lock  
 3PSL 3 Position Swivel Lock  
 4PSL 4 Position Swivel Lock without wings (welded)  
 BB Ball Bearing  
 BR Bronze Bearing  
 DB Delrin Bearing  
 NB Nylon Roller Bearing  
 PB Precision Ball Bearing  
 RBC Caged Roller Bearing  
 C Raceway Seal  
 OH Special Overall Height  
 SSW Steel Side Washer  
 SWH Heat-treated Side Washer  
 TG Thread Guards  
 Z Zerk in Wheel

WHEEL		CASTER				PART NUMBER					
Diameter	Tread Width	Capacity Lbs.	Bearing Type	Swivel Radius	Overall Height	Wheel Type	Swivel	Caster Weight (lbs)	Rigid	Caster Weight (lbs)	
5"	2"	350	Ball	4 13/16"	8"	Alum. Rubber Grey	SSL7063-***-5ARG-BB-Δ	9.43	RSL7063-***-5ARG-BB-Δ	8.58	
		350	Roller			Soft Rubber	SSL7063-***-5SR-RB-Δ	9.25	RSL7063-***-5SR-RB-Δ	8.40	
		375	Roller			ProTech™ Crown	SSL7063-***-5PRO-RB-Δ	8.46	RSL7063-***-5PRO-RB-Δ	7.61	
		450	Roller			Moldon Rubber	SSL7063-***-5MR-RB-Δ	10.14	RSL7063-***-5MR-RB-Δ	9.29	
		500	Roller			Moldon Alum. Rubber	SSL7063-***-5MAR-RB-Δ	8.92	RSL7063-***-5MAR-RB-Δ	8.07	
		650	Roller			Polyolefin	SSL7063-***-5POX-RB-Δ	7.97	RSL7063-***-5POX-RB-Δ	7.12	
		750	Roller			High Temp Phenolic (475°)	SSL7063-***-5HTPH-RB-Δ	9.02	RSL7063-***-5HTPH-RB-Δ	8.17	
		800	Roller			Lava™	SSL7063-***-5LV-RB-Δ	8.32	RSL7063-***-5LV-RB-Δ	7.47	
		800	Roller			Envirothane™	SSL7063-***-5U-RB-Δ	8.72	RSL7063-***-5U-RB-Δ	7.87	
		800	Precision			Envirothane™ Grey - PB	SSL7063-***-5UG-PB-Δ	8.78	RSL7063-***-5UG-PB-Δ	7.93	
		800	Roller			Envirothane™ Grey - RB	SSL7063-***-5UG-RB-Δ	8.72	RSL7063-***-5UG-RB-Δ	7.87	
		900	Roller			Moldon Alum. Urethane	SSL7063-***-5MAU-RB-Δ	8.82	RSL7063-***-5MAU-RB-Δ	7.97	
		900	Roller			Moldon Poly. Urethane	SSL7063-***-5MPU-RB-Δ	8.70	RSL7063-***-5MPU-RB-Δ	7.85	
		950	Roller			ALTHANE™	SSL7063-***-5ALT-RB-Δ	8.32	RSL7063-***-5ALT-RB-Δ	7.47	
		1,000	Roller			Ductile Iron Crowned	SSL7063-***-5DIC-RB-Δ	11.54	RSL7063-***-5DIC-RB-Δ	10.69	
		1,000	Roller			Heavy Duty Lava™	SSL7063-***-5LVHD-RB-Δ	8.63	RSL7063-***-5LVHD-RB-Δ	7.78	
		1,000	Roller			Nyroll™	SSL7063-***-5NYN-RB-Δ	8.56	RSL7063-***-5NYN-RB-Δ	7.71	
		1,000	Roller			Phenolic	SSL7063-***-5PH-RB-Δ	8.92	RSL7063-***-5PH-RB-Δ	8.07	
		1,000	Roller			RollX™	SSL7063-***-5RX-RB-Δ	8.26	RSL7063-***-5RX-RB-Δ	7.41	
		1,000	Roller			Heavy Duty RollX™	SSL7063-***-5RXHD-RB-Δ	8.58	RSL7063-***-5RXHD-RB-Δ	7.73	
		1,000	Roller			Solid Steel	SSL7063-***-5SS-RB-Δ	10.96	RSL7063-***-5SS-RB-Δ	10.11	
		1,000	Roller			Moldon Urethane	SSL7063-***-5UR-RB-Δ	10.76	RSL7063-***-5UR-RB-Δ	9.91	
		1,000	Roller			V Groove	SSL7063-***-5VG-RB-Δ	11.98	RSL7063-***-5VG-RB-Δ	11.13	

### FINISHES:

- SL70?2 Chrome  
 SL70?4 Black  
 Inquiries on other finishes welcome



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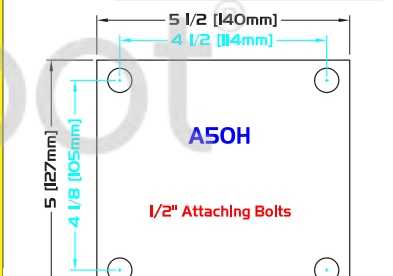
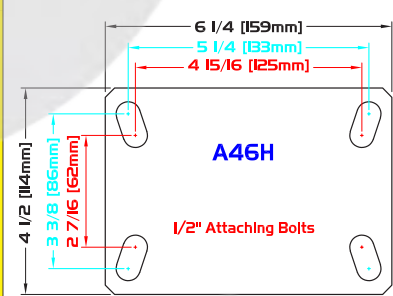
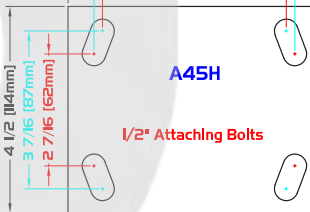
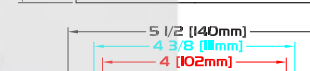
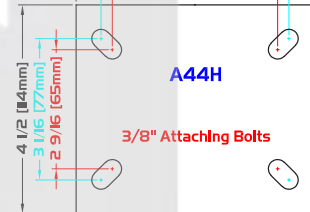
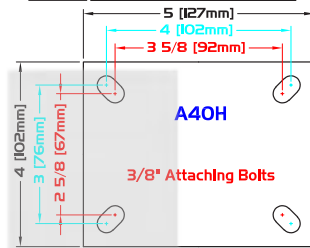
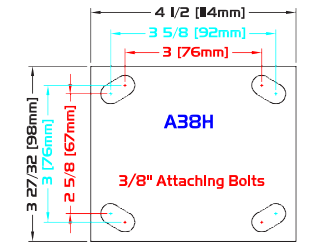
## SPRING LOADED SERIES

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STANDARD PLATE: A38H

H - Plate Thickness: 1/4"

### PLATE DIAGRAMS



WHEEL		CASTER				PART NUMBER				
Diameter	Tread Width	Capacity Lbs.	Bearing Type	Swivel Radius	Overall Height	Wheel Type	Swivel	Caster Weight (lbs)	Rigid	Caster Weight (lbs)
6"	2"	250	Ball	5 5/16"	8 1/2"	Pneumatic Foam	SSL7063-***-PFC-BB-Δ	7.98	RSL7063-***-PFC-BB-Δ	7.13
		250	Ball			Pneumatic Foam Grey	SSL7063-***-PFCG-BB-Δ	7.98	RSL7063-***-PFCG-BB-Δ	7.13
		275	Ball			Pneumatic	SSL7063-***-PNC-BB-Δ	8.89	RSL7063-***-PNC-BB-Δ	8.04
		275	Ball			Pneumatic Grey	SSL7063-***-PNCG-BB-Δ	8.89	RSL7063-***-PNCG-BB-Δ	8.04
		450	Ball			Balloon Cushion Rubber Grey	SSL7063-***-BARG-BB-Δ	9.77	RSL7063-***-BARG-BB-Δ	8.92
		450	Roller			ProTech™ Crown	SSL7063-***-PRO-RB-Δ	8.76	RSL7063-***-PRO-RB-Δ	7.91
		500	Roller			Moldon Alum. Rubber	SSL7063-***-MAR-RB-Δ	9.44	RSL7063-***-MAR-RB-Δ	8.59
		500	Roller			Moldon Rubber	SSL7063-***-MR-RB-Δ	11.12	RSL7063-***-MR-RB-Δ	10.27
		500	Roller			ProTech™ Flat	SSL7063-***-PROF-RB-Δ	8.76	RSL7063-***-PROF-RB-Δ	7.91
		700	Roller			Polyolefin	SSL7063-***-POX-RB-Δ	8.13	RSL7063-***-POX-RB-Δ	7.28
		900	Roller			High Temp Phenolic (475°)	SSL7063-***-HTPH-RB-Δ	9.82	RSL7063-***-HTPH-RB-Δ	8.97
		900	Roller			Moldon Poly. Urethane	SSL7063-***-MPU-RB-Δ	9.22	RSL7063-***-MPU-RB-Δ	8.37
		950	Roller			Envirothane™	SSL7063-***-U-RB-Δ	9.40	RSL7063-***-U-RB-Δ	8.55
		950	Precision			Envirothane™ Grey - PB	SSL7063-***-UG-PB-Δ	9.17	RSL7063-***-UG-PB-Δ	8.32
		950	Roller			Envirothane™ Grey - RB	SSL7063-***-UG-RB-Δ	9.40	RSL7063-***-UG-RB-Δ	8.55
		950	Precision			Envirothane™ Grey Crowned	SSL7063-***-UGC-PB-Δ	9.12	RSL7063-***-UGC-PB-Δ	8.27
		1,000	Roller			ALThane™	SSL7063-***-ALT-RB-Δ	8.87	RSL7063-***-ALT-RB-Δ	8.02
		1,000	Roller			Ductile Iron Crowned	SSL7063-***-DIC-RB-Δ	12.56	RSL7063-***-DIC-RB-Δ	11.71
		1,000	Roller			Lava™	SSL7063-***-LV-RB-Δ	8.53	RSL7063-***-LV-RB-Δ	7.68
		1,000	Roller			Heavy Duty Lava™	SSL7063-***-LVHD-RB-Δ	9.04	RSL7063-***-LVHD-RB-Δ	8.19
1,000	Roller	Moldon Alum. Urethane	SSL7063-***-MAU-RB-Δ	9.40	RSL7063-***-MAU-RB-Δ	8.55				
1,000	Roller	Nyrol™	SSL7063-***-NYN-RB-Δ	9.03	RSL7063-***-NYN-RB-Δ	8.18				
1,000	Roller	Phenolic	SSL7063-***-PH-RB-Δ	9.72	RSL7063-***-PH-RB-Δ	8.87				
1,000	Roller	RollX™	SSL7063-***-RX-RB-Δ	8.48	RSL7063-***-RX-RB-Δ	7.63				
1,000	Roller	Heavy Duty RollX™	SSL7063-***-RXHD-RB-Δ	9.00	RSL7063-***-RXHD-RB-Δ	8.15				
1,000	Precision	RollX™-WOW-PB	SSL7063-***-RXW-PB-Δ	9.35	RSL7063-***-RXW-PB-Δ	7.23				
1,000	Roller	RollX™-WOW	SSL7063-***-RXW-RB-Δ	9.06	RSL7063-***-RXW-RB-Δ	6.94				
1,000	Roller	Solid Steel	SSL7063-***-SS-RB-Δ	12.10	RSL7063-***-SS-RB-Δ	11.25				
1,000	Roller	Moldon Urethane	SSL7063-***-UR-RB-Δ	11.58	RSL7063-***-UR-RB-Δ	10.73				
1,000	Roller	V Groove	SSL7063-***-VG-RB-Δ	13.22	RSL7063-***-VG-RB-Δ	12.37				
8"	2"	550	Ball	6 7/8"	10 1/2"	Balloon Cushion Rubber Grey	SSL7083-***-BARG-BB-Δ	11.89	RSL7083-***-BARG-BB-Δ	11.04
		600	Roller			Moldon Alum. Rubber	SSL7083-***-MAR-RB-Δ	10.88	RSL7083-***-MAR-RB-Δ	10.03
		600	Roller			Moldon Rubber	SSL7083-***-MR-RB-Δ	13.50	RSL7083-***-MR-RB-Δ	12.65
		600	Roller			ProTech™ Crown	SSL7083-***-PRO-RB-Δ	10.19	RSL7083-***-PRO-RB-Δ	9.34
		650	Roller			ProTech™ Flat	SSL7083-***-PROF-RB-Δ	10.15	RSL7083-***-PROF-RB-Δ	9.30
		850	Roller			ALThane™	SSL7083-***-ALT-RB-Δ	10.02	RSL7083-***-ALT-RB-Δ	9.17
		850	Roller			High Temp Phenolic (475°)	SSL7083-***-HTPH-RB-Δ	11.72	RSL7083-***-HTPH-RB-Δ	10.87
		850	Roller			Lava™	SSL7083-***-LV-RB-Δ	9.91	RSL7083-***-LV-RB-Δ	9.06
		850	Roller			Moldon Alum. Urethane	SSL7083-***-MAU-RB-Δ	11.06	RSL7083-***-MAU-RB-Δ	10.21
		850	Roller			Moldon Poly. Urethane	SSL7083-***-MPU-RB-Δ	10.34	RSL7083-***-MPU-RB-Δ	9.49
		850	Roller			Nyrol™	SSL7083-***-NYN-RB-Δ	10.47	RSL7083-***-NYN-RB-Δ	9.62
		850	Roller			Phenolic	SSL7083-***-PH-RB-Δ	11.62	RSL7083-***-PH-RB-Δ	10.77
		850	Roller			Polyolefin	SSL7083-***-POX-RB-Δ	9.17	RSL7083-***-POX-RB-Δ	8.32
		850	Roller			RollX™	SSL7083-***-RX-RB-Δ	9.86	RSL7083-***-RX-RB-Δ	9.01
		850	Roller			Solid Steel	SSL7083-***-SS-RB-Δ	15.06	RSL7083-***-SS-RB-Δ	14.21
		850	Roller			Semi Steel	SSL7083-***-ST-RB-Δ	15.06	RSL7083-***-ST-RB-Δ	14.21
		850	Roller			Envirothane™	SSL7083-***-U-RB-Δ	10.96	RSL7083-***-U-RB-Δ	10.11
		850	Precision			Envirothane™ Grey - PB	SSL7083-***-UG-PB-Δ	10.84	RSL7083-***-UG-PB-Δ	9.99
		850	Roller			Envirothane™ Grey - RB	SSL7083-***-UG-RB-Δ	10.96	RSL7083-***-UG-RB-Δ	10.11
		850	Precision			Envirothane™ Grey Crowned	SSL7083-***-UGC-PB-Δ	10.90	RSL7083-***-UGC-PB-Δ	10.05
850	Roller	Moldon Urethane	SSL7083-***-UR-RB-Δ	14.22	RSL7083-***-UR-RB-Δ	13.37				
850	Roller	V Groove	SSL7083-***-VG-RB-Δ	17.02	RSL7083-***-VG-RB-Δ	16.17				

\* Caster weight based on Standard Plate



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SPRING LOADED SERIES

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## STEMS

STANDARD THREADED LENGTH: 4"  
STANDARD ROUND LENGTH: 4"

CUSTOM DIAMETERS: any  
STANDARD LENGTHS: any



### THREADED STEMS

***	DIAMETER	LENGTH	TYPE
1/2-13X4H0	1/2"	4"	NC
5/8-11X4	5/8"	4"	NC
3/4-10X4	3/4"	4"	NC
7/8-9X4	7/8"	4"	NC
1-8X4	1"	4"	NC

### ROUND STEMS

***	DIAMETER	LENGTH	TYPE
500 X 4	1/2"	4"	Plain
625 X 4	5/8"	4"	Plain
750 X 4	3/4"	4"	Plain
875 X 4	7/8"	4"	Plain
1.000 X 4	1"	4"	Plain
1.375 X 4	1 3/8"	4"	Plain



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