

# ROLL-TECH™

◀ Superior Wheels and Casters for Industry ▶

*EXCELLENCE is not our GOAL... it is our STANDARD!™*



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## ◀ Superior Wheels and Casters for Industry ▶

*EXCELLENCE is not our GOAL... it is our STANDARD! <sup>SM</sup>*

**ROLL-TECH** was founded in 1995 in Hickory, North Carolina, and is the former U.S. subsidiary of Guitel S.A.

With a broad array of wheel and caster products for industries such as material handling, institutional equipment and furniture, **ROLL-TECH's** specialty is solid rubber tire wheels and casters. Every year, **ROLL-TECH** uses millions of pounds of granulated rubber made from recycled car and truck tires. Even many of the wheel hubs used with these tires are recycled from plastic milk and soap containers. Thus, **ROLL-TECH** products are considered to be extremely environmentally-friendly.



Whatever your application, you can count on **ROLL-TECH** to provide a high-performance, yet economical, solution. And, along with **product excellence**, you can always expect **customer service excellence** from **ROLL-TECH**.

We're pleased to provide you with this full-line Product Catalog. We hope you'll find exactly the right product for your application. There are other product configurations that don't necessarily appear in this Catalog, so please contact us with any questions you might have.

**ROLL-TECH, LLC**



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# VSP-500

**Medium  
Duty**

**330 to  
850 LBS**



- Wide tread solid rubber tire mounted on rugged polypro center
- Symmetrical or offset hub, **5/16" to 1"** bore sizes; available in Delrin, ball bearing, or roller bearing
- Wheel size from **6" to 12"**

Bore length	1-3/4" Centered	2-1/4" Centered		2-1/4" Offset	3-1/4" Centered	Load Rating lbs
Bearing	Ball Bearing	Roller Bearing	Ball Bearing	Ball Bearing	Ball Bearing	
Bore sizes	5/16, 3/8, 1/2"	1/2, 5/8, 3/4"	1/2, 5/8, 3/4"	1/2, 5/8, 3/4"	1/2, 5/8, 3/4"	
<b>Wheel size</b>						
6x1-1/2"		642.161.xx30				330
6x1-3/4"	640.163.xx30	642.163.xx30	643.163.xx30	648.163.xx30		350
7x2"	640.184.xx30	642.184.xx30	643.184.xx30	648.184.xx30		400
8x2"	640.207.xx30	642.207.xx30	643.207.xx30	648.207.xx30		440
8x2-1/2"	640.208.xx30	642.208.xx30	643.213.xx30	648.213.xx30		450
10x2"			643.255.xx30	648.255.xx30	643.255.xx90	500
10x2-3/4"			643.254.xx30	648.267.xx30	643.267.xx90	550
10x3"			643.256.xx30	648.256.xx30	643.256.xx90	650
12x2"					643.307.xx90	750
12x3"					643.310.xx90	850

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	5/16"	3/8"	1/2"	5/8"	3/4"	1"
xx=	8	10	13	15	19	26

**Application:** Puncture-proof, cushiony, resilient and quiet. Low starting effort under load on uneven floors. Excellent life expectancy. Puncture proof and good alternative/replacement for semi-pneumatic wheels.

**Where to find:** Manufacturing areas on larger size platforms and carts. Excellent for hand-trucks.

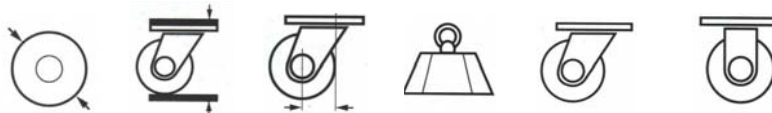
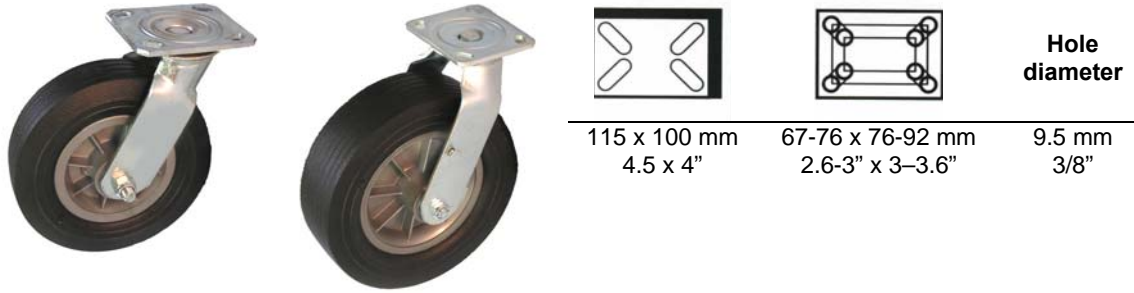


# Medium-Duty VSP-500 Casters

**350 to  
650 LBS**

- Zinc-plated forged steel
- Swivel on double ball race fitting, greased with head seal
- Black solid rubber tire on polypro center
- Ball bearing axle and locknut
- Easy to roll over debris; quiet and resilient

## 4X SERIES



## 4X SERIES

6"	7 11/16"	1 11/16"	350	160.6743	560.6743
8"	9 1/4"	2 1/4"	440	160.6744	560.6744
10"	11 13/16"	3 1/8"	650	450.6495	550.6495

**Application:** Medium-duty carts where wider tire is required, indoors and outdoors. Good for uneven pavements. Replacement for pneumatic wheels – puncture-proof.

# VSP-300

Light- to  
Medium-Duty

175 to  
650 LBS



- Even more economical version of our VSP-500
- Solid rubber tire mounted on rugged polyprop center
- Symmetrical or offset hub, **5/16" to 1"** bore size; available in plain bore, Delrin or roller bearing
- Wheel size from **3" to 10"**

Bore length	1-3/4" (45mm) Centered		2" Centered	60mm Centered	2-1/2" Centered	2-1/2" <b>Offset</b>	Load Rating lbs
	Bearing-less / Delrin Bearing	Roller Bearing	Delrin Bearing	Plain Bore	Delrin Bearing	Delrin Bearing	
Bore sizes	5/16, 3/8, 1/2", 12mm	12mm	1/2, 5/8, 3/4", 1", 25mm	20mm	1/2, 5/8, 3/4", 1", 25mm	1/2, 5/8, 3/4", 1", 25mm	
<b>Wheel size</b>							
3x1-3/8"	5.080.1245						175
4x1-3/8"	5.100.1200	5.100.1210					220
5x1-3/8"	5.525.1210	5.525.1260		631.125.2010			275
6x1-1/2"	1.151.1210	1.151.1250	673.163.xx13	631.151.2010	674.163.xx13	678.163.xx13	330
7x1-3/4"	640.184.xx13		673.184.xx13	631.184.2010	674.184.xx13	678.184.xx13	350
8x1-3/4"	640.209.xx13		673.209.xx13	631.209.2010	674.209.xx13	678.209.xx13	440
10x2"			671.255.xx13	631.255.2010	643.255.xx13	648.255.xx13	500
10x2-3/4"					643.254.xx13	648.254.xx13	550
10x3"					643.256.xx13	648.256.xx13	650

\*\* Replace xx by appropriate bore dimension:

Bore Ø	5/16"	3/8"	12 mm	1/2"	5/8"	3/4"	20 mm	25 mm	1"
xx=	8	10	12	13	15	19	20	25	26

**Application:** Cushiony, resilient and quiet. Low starting effort on uneven floors. Excellent life expectancy. Good alternative/replacement for semi-pneumatic wheels.

**Where to find:** Manufacturing floors, medium size equipment such as dollies and carts.





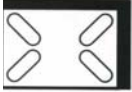
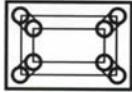

# Light/Medium-Duty VSP-300 Casters

**110 to  
440 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Black solid rubber tire on polypro center
- Plain bearing or roller bearing with spanner bushing, axle and locknut
- Easy to roll over debris; quiet and resilient

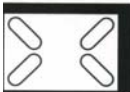
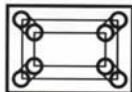

## PORT-ROLL










			Hole diameter	
2"	67 x 48 mm 2.6 x 1.9"	55 x 30 mm 2.2 x 1.2"	6.5 mm 1/4"	28 mm 1.1"
2.5"	75 X 60 mm 3 x 2.4"	55 x40 mm 2.2 x 1.6"	7 mm 1/4"	36 mm 1.4"
3"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	40 mm 1.6"
4 & 5"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	46 mm 1.8"

## MANU-ROLL



			Hole diameter	
	135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	11 mm 7/16"	62 mm 2.4"

## Port-Roll

							WHEEL REFERENCE	
							Plain Bearing	Roller Bearing
2"	2.7"	0.6"	110	108.3052		508.3052		
2 1/2"	3.35"	0.9"	143	108.3067		508.3067		
3"	4.2"	1.3"	175	127.5082	1.275.5082	508.5082		
4"	5.1"	1.65"	220	127.5102	1.275.5102	508.5102	5.100.1200	
5"	6.2"	1.8"	275	216.5516	2.175.5516	516.5516	5.525.1210	

## Manu-Roll

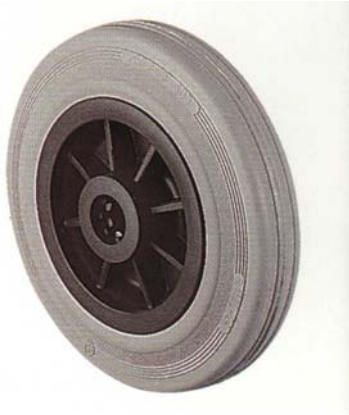
5"	6.5"	2"	330	135.5131	1.351.5131	518.5131		632.125.2010
6"	7.7"	2"	385	135.1821	1.351.1821	518.1821		632.151.2010
8"	9.3"	2"	440	135.2821	1.351.2821	518.2821		632.209.2010

**Application:** Light and medium duty carts for industrial floors, especially where easy swiveling is required.

# MANUTAL

## Light-Duty Non-Marking

**175 to  
440 LBS**



- Gray (non-marking) solid rubber tire mounted on rugged polypro center
- Symmetrical or offset hub, **5/16" to 1"** bore size, available in Delrin or roller bearing
- Wheel size from **3" to 8"**

Bore length	1-3/4" (45mm) Centered		2" Centered	60mm Centered	2-1/2" Centered	2-1/2" <u>Offset</u>	Load Rating lbs
Bearing	Bearing less - Delrin Brg	Roller Brg	Delrin Brg	Roller Bearing	Delrin Brg	Delrin Bearing	
Bore sizes	5/16, 3/8, 1/2", 12mm	12mm	1/2, 5/8, 3/4", 1"	20mm	1/2, 5/8, 3/4", 1"	1/2, 5/8, 3/4", 1"	
<b>Wheel size</b>							
3x1-3/8"	5.080.1240						175
4x1-3/8"	5.100.1245	5.100.1220					220
5x1-3/8"	5.525.1245	5.525.1220					275
6x1-1/2"	1.160.1210	1.160.1280		632.160.2010			330
8x1-1/2"	640.181.xx13		673.181.xx13	632.181.2010	674.181.xx13	678.181.xx13	440

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	5/16"	3/8"	12 mm	1/2"	5/8"	3/4"	20 mm	1"
xx=	8	10	12	13	15	19	20	26

**Application:** Cushiony, resilient and quiet. Low starting effort on uneven floors. Excellent life expectancy. Good alternative/replacement for semi-pneumatic wheels.

**Where to find:** Offices, public areas, floors where non-marking is a requirement. Equipment such as luggage carts, dollies and interior carts.


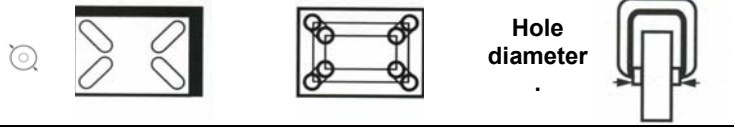


# Light-Duty MANUTAL (gray, non-marking) Casters

**175 to  
440 LBS**


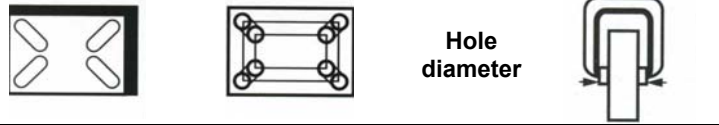
- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Gray solid rubber non-marking tire / polypro
- Plain bearing or roller bearing, with spanner bushing, axle and locknut
- Easy to roll over debris; quiet and resilient

## PORT-ROLL

	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	Hole diameter 9 mm 5/16"	40 mm 1.6"
3"				
4&5"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	46 mm 1.8"

## MANU-ROLL

	135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	Hole diameter 11 mm 7/16"	62 mm 2.4"
4"				



### Port-Roll

Wheel Size	Width	Depth	Weight	Part No. 1	Part No. 2	Part No. 3	Wheel Reference
3"	4.2"	1.3"	175	127.5071	1.275.5071	508.5071	X
4"	5.1"	1.65"	220	127.5171	1.275.5171	508.5171	5.100.1245
5"	6.2"	1.8"	275	216.5571	2.175.5571	516.5571	5.525.1245

### Manu-Roll

Wheel Size	Width	Depth	Weight	Part No. 1	Part No. 2	Part No. 3	Wheel Reference
6"	7.7"	2"	385	135.1841	1.351.1841	518.1841	632.160.2010
8"	9.3"	2"	440	135.2841	1.351.2841	518.2841	632.181.2010

**Application:** Light and medium duty carts where non-marking wheels are required.

# SUPERAM

Medium  
Duty

265 to  
440 LBS



- Solid rubber tire mounted on black, rugged polypro center
- Symmetrical hub, **1/2" to 1"** bore sizes available in plain bore, Delrin or roller bearing
- Wheel sizes from **12" to 16"**

Bore length	2-3/8"	3"	3"	Load Rating
Bore sizes	3/4, 1", 25mm	1/2, 5/8, 3/4", 25mm, 1"	3/4"	
Bearing	No Bearing	Delrin Bearing	Roller Bearing	
<i>Wheel size</i>				
<b>12x2"</b>	621.307.xx10			265
<b>12x3"</b>	621.306.xx10			330
<b>14x2-3/4"</b>		621.360.xx13	622.360.1910	440
<b>16x3"</b>		621.405.xx13	622.405.1910	440

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	1/2"	5/8"	3/4"	20 mm	25 mm	1"
xx=	13	15	19	20	25	26

**Application:** Puncture-proof, cushiony, resilient and quiet. Low starting effort under load on uneven floors. Excellent life expectancy.

**Where to find:** Outdoor on larger size equipment, such as portable concrete mixers, agricultural, lawn and garden, etc.

# URATECH

## Light-Medium Duty

**260 to  
400 LBS**



- Wide, diamond-tread, solid polyurethane foam tire mounted on rugged polypro center
- Symmetrical or offset hub, 1/2" to 3/4" bore sizes; available in Delrin and ball bearing
- Wheel size from **10" to 15"**

Bore length	2-1/4" Offset	3-1/4" Centered	3" Centered	Load Rating lbs
Bearing	Ball Bearing	Ball Bearing	Delrin Bearing	
Bore sizes	1/2, 5/8, 3/4"	1/2, 5/8, 3/4"	1/2, 5/8, 3/4, 1"	
Wheel size				
10x3"	648.260.xx30	643.260.xx90		260
12x3"		643.311.xx90		330
15x3"			601.411.xx58	400

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	1/2"	5/8"	3/4"	1"
xx=	13	15	19	26

**Application:** Puncture-proof, cushiony, resilient and quiet. Low starting effort under load on uneven floors. Excellent life expectancy.

**Where to find:** Carts where light weight is preferred (e.g., beverage truck hand carts). Lawn and Garden where puncture-proof is a must.

# SNAP-LOCK

Light- to  
Medium-Duty

330 to  
440 LBS



- Specially for residential roll-out trash containers
- Solid rubber tire mounted on rugged HDPE center
- Asymmetrical hub, **5/8" to 7/8"** bore sizes available in plain bore
- Wheel sizes from **8" to 12"**
- Spring-loaded "bullet" locks into grooved axle

Bore length	2"	3-3/4"	4-1/2"	Load Rating lbs
Bore sizes	5/8, 3/4"	7/8"	7/8"	
Bearing	No Bearing	No Bearing	No Bearing	
<i>Wheel size</i>				
8x2"		200.3300		330
10x2"	688.236.xx11			330
12x2"	687.294.xx11		620.307.2211	440

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	5/8"	3/4"
xx=	15	19

**Application:** Cushiony, resilient and quiet.  
Low starting effort on uneven floors. Excellent life expectancy.

**Where to find:** Residential trash cans, fitted for automated or semi-automated collection.



# GLARO Caster (glass-handling)

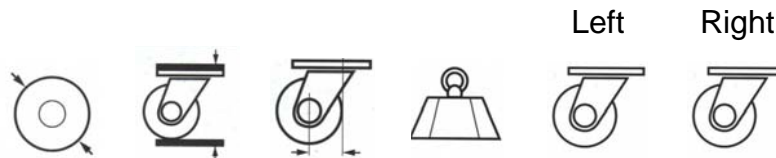
**25-45 LBS**

- Axle threaded on end for mounted and other end acting as an axle for the wheel.
- According to the shape of the axle, casters are either right or left.
- Black spherical rubber

## GLARO – Threaded stem fitting



M14 x 44mm  
M14 x 1 3/4"



GLARO – Threaded stem fitting

				Left	Right
1 3/8"	3.4"	0.8"	25	35 0010	35.0000
2"	4.2"	0.8"	45	50 1010	50.5000

**Application:** Horizontal support and movement of fragile sheet material such as glass. Glass industry.

# CENTAURE

Medium  
Duty

385 to  
550 LBS



- Solid rubber tire mounted on steel center
- Symmetrical hub, **1/2" to 1"** bore size available in ball bearing or roller bearing
- Wheel size from **6" to 16"**

Bore length	2"		2-3/8" (60mm)	3-5/32"	Load Rating lbs
Bore sizes	1/2, 5/8, 3/4"	5/8, 3/4, 1"	20, 25mm	3/4, 1"	
Bearing	Ball Bearing	Roller Bearing	Roller Bearing	Roller Bearing	
Wheel size					
6x1-3/4"	746.163.xx00	745.163.xx00	180.4120		385
7x2"	746.184.xx00	745.184.xx00			390
8x2"	746.207.xx00	745.207.xx00	281.4120		440
10x2"	736.251.xx00	735.251.xx00	182.4125		440
12x2"	736.303.xx00	735.303.xx00	183.4125		550
14x2-3/4"				737.360.xx00	550
16x3"				737.405.xx00	550

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	1/2"	5/8"	3/4"	1"
xx=	13	15	19	26

**Application:** Puncture proof, cushiony, resilient and quiet. Easy rolling under load on uneven floors. Very good life expectancy.

**Where to find:** Lawn and garden applications, where steel is required for impact resistance. Can be mounted on casters.







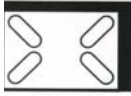
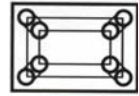

# Medium-Duty CENTAURE Casters

**175 to  
440 LBS**


- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Black solid rubber tire on steel center
- Roller bearing with spanner bushing, axle and locknut
- Easy to roll over debris, quiet and resilient

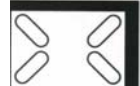
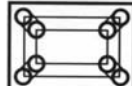

## PORT-ROLL




				Hole diameter	
3"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	40 mm 1.6"	
4"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	46 mm 1.8"	

## MANU-ROLL



			Hole diameter	
135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	11 mm 7/16"	62 mm 2.4"	



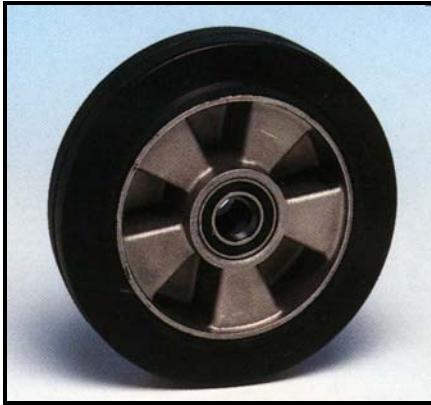
							WHEEL REFERENCE
							Roller Bearing
<i>Port-Roll</i>							
3"	4.2"	1.3"	175	128.0380	1.280.0380	528.0380	X
4"	5.1"	1.65"	220	128.0420	1.280.0420	528.0420	X
5"	6.2"	1.8"	275	216.0520	2.170.0520	516.0520	x
<i>Manu-Roll</i>							
6"	7.7"	2"	385	135.1802	1.351.1802	518.1802	180.4120
8"	9.3"	2"	440	135.2895	1.351.2895	518.2895	281.4120

**Application:** Medium-duty carts on industrial floors, where side impact resistance is required.

# ALU-ELASTIC

Medium/Heavy-Duty

660 to  
1320 LBS



- Solid rubber tire bonded on cast aluminum with reinforced spokes
- Symmetrical hub, **3/4" to 1"** bore size available with precision ball bearing
- Wheel size from **6" to 12"**

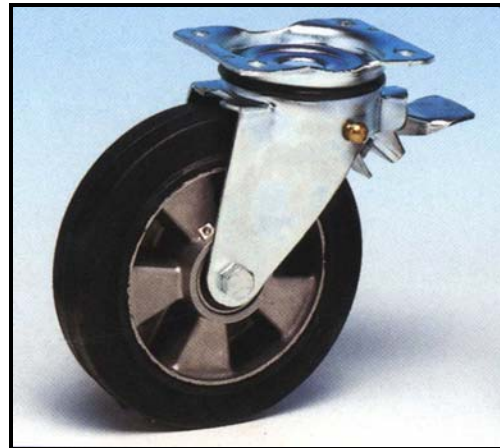
Bore length	2-3/8"		Load Rating lbs
Bore sizes	3/4", 20mm	1", 25mm	
Bearing	Sealed Ball Bearing		
<i>Wheel size</i>			
6x2"	792.160.xx00		660
8x2"	792.200.xx00	792.200.xx00	880
10x2"		792.250.xx00	1170
12x2-3/8"		792.300.xx00	1320

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	3/4"	20mm	25mm	1"
xx=	19	20	25	26

**Application:** High load capacity on irregular surfaces. Low stress start. Soft, light wheel. Resistance against wear and lateral impacts.

**Where to find:** Airports, automotive industry, railways, and seaports. Medium duty casters.

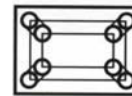
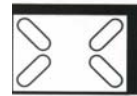


# Medium/Heavy-Duty ALU-ELASTIC Casters

**660 to 1170 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Black rubber tire bonded on aluminum center
- Precision ball bearing with bushings, axle and locknut
- Easy to roll over debris, quiet and resilient

## MAXI-ROLL



Hole diameter



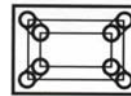
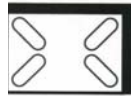
135 x 110 mm  
5.3 x 4.3"

105 x 80 mm  
4.15 x 3.15"

11 mm  
7/16"

62 mm  
2.4"

## FORT-ROLL



Hole diameter.



10" 140 x 110 mm  
5.5 x 4.3"

105 x 80 mm  
4.15 x 3.15"

12 mm  
1/2"

85 mm  
3.35"



WHEEL REFERENCE  
Sealed Ball Bearing

### Maxi-Roll

6"	7.9"	1.7"	660	138.7923	1.381.7923	520.7923	792.160.2000
8"	9.25"	2.2"	880	138.7924	1.381.7924	520.7924	792.200.2500
10"	11.85"	2.4"	770	138.7925	1.381.7925	520.7925	792.250.2500

### Fort-Roll

10"	12.8"	3.35"	1170	140.7925	1.401.7925	540.7925	792.250.2500
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**Application:** Quiet and easy to move. Rolls easily over obstacles or uneven floors. Low stress starting, and abrasion resistant.

# ELASTOFORT

## Heavy-Duty

**880 to  
3310 LBS**



- Solid rubber tire bonded on cast iron center
- Symmetrical hub, **15 mm (5/8") to 40 mm (1.5")** bore sizes available with precision ball bearing
- Wheel size from **5" to 16"**

Bore length	2-3/8"				Load Rating lbs
Bore sizes	3/4", 15 & 20mm	25mm – 1"	30mm – 1.18"	40mm – 1.57"	
Bearing	Sealed Ball Bearing				
<i>Wheel size</i>					
5x2"	770.125.1500				880
6x2"	770.160.xx00	770.160.xx00			990
8x2"	770.200.xx00	770.200.xx00			1320
10x2"		775.250.xx00	775.250.3000		1765
12x2-3/8"		770.300.xx00	775.300.3000		1875
14x3"			775.350.3000		1985
16x4"				775.400.4000	3310

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	3/4"	20mm	25mm	1"
xx=	19	20	25	26

**Application:** High load capacity on irregular surfaces. Low stress start. Soft, light tire. Resistance against wear and impacts.

**Where to find:** Airports, automotive industry, railways, and seaports. Heavy-duty casters.

# Heavy-Duty ELASTOFORT Casters

**880 to  
1545 LBS**

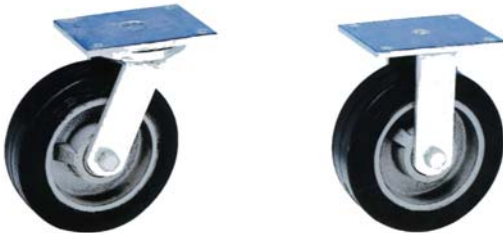
- Zinc-plated pressed steel
- Swivel on heat treated double ball race fitting.
- Adjustable swivel and wheel brake
- Black rubber tire bonded on cast iron center
- Protected precision ball bearings with bushing, axle and locknut

## FORT-ROLL



			Hole diameter.	
5 to 8"	140 x 110 mm 5.5 x 4.3"	105 x 80 mm 4.15 x 3.15"	12 mm 1/2"	62 mm 2.4"
12"	200 x 160 mm 7.9 x 6.3"	160 x 120 mm 6.3 x 4.7"	14 mm 1/2"	85 mm 3.35"

## HERCULES



			Hole diameter.	
6 & 8"	135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	12.5 mm 1/2"	62 mm 2.4"
10"	200 x 160 mm 7.8 x 6.3"	160 x 120 mm 6.3 x 4.7"	12.5 mm 1/2"	92 mm 3.6"



WHEEL REFERENCE  
Sealed Ball Bearing

### Fort-Roll

5"	6.9"	1.8"	880	140.7702	1.401.7702	540.7702	770.125.1500
6"	8.3"	2"	990	140.7703	1.401.7703	540.7703	770.160.2000
8"	9.8"	2.3"	1320	140.7704	1.401.7704	540.7704	770.200.2000
12"	13.8"	3.35"	1545	140.7706	1.401.7706	540.7706	770.300.2500

### Hercule

6"	8.5"	1.3"	990	149.7703		509.7703	770.160.2000
8"	9.8"	1.6"	1320	149.7704		509.7704	770.200.2000
10"	11.6"	1.8"	1765	149.7755		509.7755	772.250.2500

**Application:** Soft and quiet handling. High load capacity on any industrial surfaces, even in bad conditions. Low-stress starting. High resistance to abrasion and impact.

# MANULASTIC

Medium- to Heavy-Duty

<b>440 to 1100 LBS</b>
----------------------------



- Blue (non-marking) or black superelastic solid rubber tire bonded on rugged polyamide nylon center.
- Symmetrical hub, 1/2" to 1" bore size available in roller bearing or sealed ball bearing
- Wheel size range from 4" to 10"
- Functional equivalence to **Resilex**® wheel

Bore length	1-3/4"	2-3/8"			Load Rating lbs
Bore sizes	12mm	20mm	20, 25mm, 3/4", 1"		
Bearing	Roller Brg.	Roller Brg.	Sealed Ball Brg.		
Color tread	Blue	Blue	Blue	Black	
Wheel size					
4x1-1/4"	<a href="#">722.100.1210</a>				440
5x1-1/4"	<a href="#">722.125.1211</a>				550
5x1-1/16"		<a href="#">722.125.2010</a>	<a href="#">82680-20</a>	82580-20	660
6x1-11/16"		<a href="#">722.160.2010</a>	<a href="#">82681-20</a>	82582-20	880
8x1-11/16"		<a href="#">722.200.2010</a>	<a href="#">82684-20</a>	82584-20	880
10x1-11/16"		<a href="#">722.250.2010</a>	<a href="#">82687-25</a>	82587-25	1100

**Application:** Puncture proof, extremely resilient and quiet. Great for non-marking requirement and for dirty floors with debris.

**Where to find:** shop floors, hotels, restaurants, music or stage boxes. Makes great medium-duty, non-marking casters.

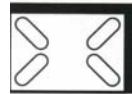


# MANULASTIC Medium/Heavy-Duty (non-marking) Casters

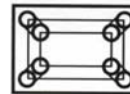
**330 to  
880 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Functional equivalence to Resilex<sup>®</sup>
- Blue (non-marking) solid rubber tire on polyamide nylon center
- Roller bearing with spanner bushing, axle and locknut; or, sealed ball bearings
- Easy to roll over debris, quiet and resilient

## PORT-ROLL or MECANIC



105 x 80 mm  
4.15 x 3.15"



80 x 60 mm  
3.15 x 2.4"

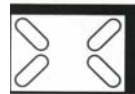
Hole diameter.

9 mm  
5/16"

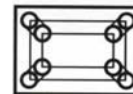


46 mm  
1.8"

## MANU-ROLL / MAXI-ROLL



135 x 110 mm  
5.3 x 4.3"



105 x 80 mm  
4.15 x 3.15"

Hole diameter

11 mm  
7/16"



62 mm  
2.4"



### WHEEL REFERENCE

Roller Bearing     Sealed Ball Bearing

### Port-Roll

4"	5"	1.6"	330	127.7221	1.270.7221	508.7221	722.100.1210
5"	6.2"	1.8"	330	216.7222	2.170.7222	516.7222	722.125.1210

### Manu-Roll

5"	6.5"	2"	550	135.7222	1.351.7222	518.7222	722.125.2010
6"	7.7"	1.8"	550	135.7223	1.351.7223	518.7223	722.160.2010
8"	9.3"	1.9"	550	135.7224	1.351.7224	518.7224	722.200.2010

### Maxi-Roll

5"	6.3"	1.8"	660	138.7232	1.381.7232	520.7232	82680
6"	7.8"	1.7"	880	138.7233	1.381.7233	520.7233	82681
8"	9.25"	2.2"	880	138.7234	1.381.7234	520.7234	82684
10"	11.85"	1.8"	770	138.7235	1.381.7235	520.7235	82687

**Application:** Medium to heavy industrial carts on floors with debris. Robust, non-marking, highly resistant to abrasion.

# RESIPRENE

## Light-Duty Non-Marking

**275 to  
440 LBS**



- Grey (non-marking) thermoplastic rubber bonded on rugged polyamide nylon center
- Symmetrical hub, **12 to 20mm** bore size available with roller bearing
- Wheel size range from **4" to 6"**

Bore length	1-1/2" (40mm)	1-3/4" (45mm)	2-3/8" (60mm)	Load Rating lbs
Bore sizes	5/16"	12mm	20mm	
Bearing	Ball Brg	Roller Brg.	Roller Brg.	
<i>Wheel size</i>				
4x1-3/8"	81401-08	81501-12		275
5x1-3/8"		81502-12		330
6x1-1/2"			81503-20	440

**Application:** Handling with non-marking wheels. Silent and economical.

**Where to find:** Institutional equipment and sensitive flooring.




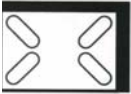
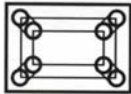

# Light-Duty RESIPRENE Casters


**330 to  
440 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake
- Grey (non-marking) thermoplastic rubber tire on polyamide nylon center
- Roller bearing with spanner bushing, axle and locknut.

## PORT-ROLL / MANU-ROLL



			Hole diameter.	
4 & 5"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	46 mm 1.8"
6"	135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	11 mm 7/16"	62 mm 2.4"



WHEEL REFERENCE

Roller Bearing

<u>Port-Roll</u>							
4"	5.1"	1.5"	330	72342	74342	73342	81501
5"	6.2"	1.8"	385	72352	74352	73352	81502
6"	7.7"	2"	440	72362	74362	73362	81503

**Application:** Light and Medium carts on hard floors and good shape. Great for hospital equipments and institutional.

# PNEUMATIC

## Medium Duty

**155 to  
440 LBS**



- 4-ply pneumatic tire with inner-tube, mounted on bolted steel center
- Offset or Symmetrical hub, 1/2” to 3/4” bore size available in ball bearing
- Wheel size from 8” to 10”

Bore length	2”1/4 Offset	3” Centered	4” Centered	Load Rating (lbs)
Bore sizes	5/8”	3/4”	3/4”	
Bearing	Ball Bearing	Ball Bearing	Ball Bearing	
<i>Wheel size</i>				
8x2”	470.200.1500	471.200.1900		310
10x3”	470.262.1500		472.262.1900	350

\*\* . Replace xx by appropriate bore dimension:

Bore Ø	3/4”	20 mm	25 mm	1”
xx=	19	20	25	26

**Application:** Hand-trucks and dollies where pneumatic is required.

**Where to find:** Manufacturing floors; medium size equipment, such as hand-trucks.




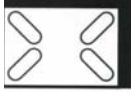
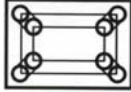

# PNEUMATIC-Wheel Casters







**110 to  
440 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- 4-ply with inner tube pneumatic tire on bolted steel core wheels
- Ball bearing with spanner bushing, axle and locknut

**PNEUMATIC**



			<b>Hole diameter</b>	
<b>10"</b>	115 x 100 mm 4.5 x 4"	67-76 x 76-92 mm 2.6-3" x 3-3.6"	9.5 mm 3/8"	63 mm 2.5"

						<b>WHEEL REFERENCE</b>
						<i>Roller Bearing</i>
<b>Roll-Pneumatic</b>						
8"	10"	2.5"	310	160.4714	560.4714	471.200.1900
10"	12"	3"	330	160.4725	560.4725	472.262.1900

**Application:** Light duty carts on uneven floors or ground.

# POLYCHOC

## Light Duty

**110 to  
770 LBS**



- Hard tread polypropylene wheel
- Symmetrical hub, **8 mm (5/16") to 20 mm (3/4")** bore sizes, available in plain bore
- Wheel size from **2" to 8"**

Bore length	1-1/6" (27mm)	1-1/4" (32mm)	1-3/4" (45mm)	2-3/8" (60mm)	Load Rating (lbs)
Bore sizes	8mm	8mm	1/2", 12mm	20mm	
Bearing	No Bearing	No Bearing	No Bearing	No Bearing	
<b>Wheel size</b>					
2x3/4"	10020				110
2-1/2x1"		2.0003			175
3x1-1/4"			80262-12		220
4x1-3/8"			80263-12		275
5x1-3/8"			80264-12	5.4520	330
6x1-3/4"				6.4520	770
8x1-3/4"				8.4520	770

**Application:** Non-marking, economical and impact resistant. Easy rolling and resistance to abrasion and chemical agents. Temperature range resistance from 5°F to 160°F.

**Where to find:** Light and medium duty casters or stainless steel casters. Food industry, store carts and dollies.


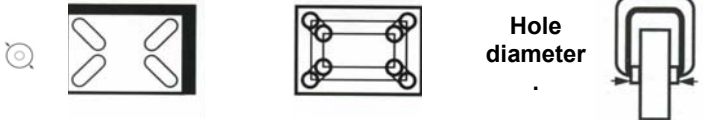


# Light-Duty POLYCHOC Casters

**110 to  
440 LBS**


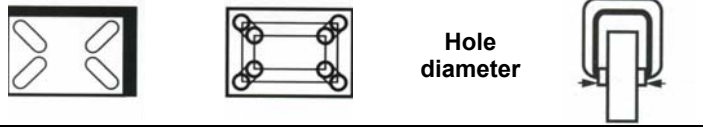
- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Solid polypropylene wheel
- Plain bearing with spanner bushing, axle and locknut
- Operating temperature from 5°F to 160°F

## PORT-ROLL

	Top View	Side View	Hole diameter	Axle View
2"	67 x 48 mm 2.6 x 1.9"	55 x 30 mm 2.2 x 1.2"	6.5 mm 1/4"	28 mm 1.1"
2.5"	75 X 60 mm 3 x 2.4"	55 x40 mm 2.2 x 1.6"	7 mm 1/4"	36 mm 1.4"
3"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	40 mm 1.6"
4&5"	105 x 80 mm 4.15 x 3.15"	80 x 60 mm 3.15 x 2.4"	9 mm 5/16"	46 mm 1.8"

## MANU-ROLL

	Top View	Side View	Hole diameter	Axle View
	135 x 110 mm 5.3 x 4.3"	105 x 80 mm 4.15 x 3.15"	11 mm 7/16"	62 mm 2.4"



<i>Port-Roll</i>							
2"	2.6"	0.6"	110	108.0105		508.0105	1.0020
2.5"	3.4"	0.9"	145	108.0205		508.0205	2.0003
3"	4.2"	1.3"	175	127.0304	1.275.0304	508.0304	80262
4"	5.1"	1.65"	220	127.0405	1.275.0405	508.0405	80263
5"	6.2"	1.8"	275	216.1015	2.170.1015	516.1015	80264
<i>Manu-Roll</i>							
5"	6.5"	2"	385	135.0507	1.351.0507	518.0507	5.4520
6"	7.7"	2"	385	135.0607	1.351.0607	518.0607	6.4520
8"	9.3"	2"	440	135.0807	1.351.0807	518.0807	8.4520

**Application:** Light duty carts on hard even floors.

# NYLTEC

Medium- to Heavy-Duty

245 to 2645 LBS



- Solid polyamide nylon wheel
- Symmetrical hub, 1/2" to 1" bore size available in plain bore, roller bearing or sealed ball bearing
- Wheel size range from 3" to 10"

Bore length	1-9/16" (40mm)	1-3/4" (45mm)		2-3/8"			Load Rating lbs
Bore sizes	1/2", 12mm	1/2", 12mm	12mm	20mm	20, 25mm		
Bearing	No Bearing	No Bearing	Roller Bearing.	No Bearing	Roller Bearing.	Sealed Ball Bearing.	
<b>Wheel size</b>							
3x1-3/8"	3.0512						245
4x1-3/8"		4.0512	4.3014				330
5x1-3/4"		80164-12	81164-12	5.0520	5.3520	5.3720	1100
6x1-3/4"				6.0520	6.3520	6.3720	1545
8x1-3/4"				8.0520	8.3520	8.3720	2200
10x2"						10.3725	2645

**Application:** Non-marking, and impact resistant. Easy rolling on level floors. Strong resistance to abrasion and chemical agents. Temperature range from -22°F to 175°F.

**Where to find:** Excellent for the food industry or shop floor, where load rating and easy rolling is required. Medium to heavy-duty casters (also in stainless steel casters).

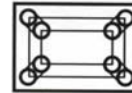
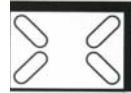


# Medium/Heavy-Duty NYLTEC Casters

**770 to  
2645 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Solid nylon wheel
- Roller bearing or precision ball bearing with spanner bushing, axle and locknut
- Operating temperature from -22°F to 176°F

## MAXI-ROLL



Hole diameter



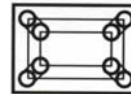
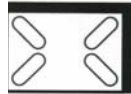
135 x 110 mm  
5.3 x 4.3"

105 x 80 mm  
4.15 x 3.15"

11 mm  
7/16"

62 mm  
2.4"

## FORT-ROLL



Hole diameter.



5 to 8" 140 x 110 mm  
5.5 x 4.3"

105 x 80 mm  
4.15 x 3.15"

12 mm  
1/2"

62 mm  
2.4"

10" 200 x 160 mm  
7.9 x 6.3"

160 x 120 mm  
6.3 x 4.7"

14 mm  
1/2"

85 mm  
3.35"



### WHEEL REFERENCE

Roller Bearing      Sealed Ball Bearing

### Maxi-Roll

5"	6.3"	18"	770	138.0527	1.381.0527	520.0527	5.3520	
				138.0551	1.381.0551	520.0551		5.3720
6"	7.8"	1.7"	880	138.0627	1.381.0627	520.0627	6.3520	
				138.0651	1.381.0651	520.0651		6.3720
8"	9.25"	2.2"	880	138.0827	1.381.0827	520.0827	8.3520	
				138.0851	1.381.0851	520.0851		8.3720

### Fort-Roll

5"	6.9"	1.8"	1100	140.0542	1.401.0542	540.0542	5.3520	
				140.0551	1.401.0541	540.0551		5.3720
6"	8.3"	2"	1545	140.0642	1.401.0642	540.0642	6.3520	
				140.0651	1.401.0651	540.0651		6.3720
8"	9.8"	2.3"	2200	140.0842	1.401.0842	540.0842	8.3520	
				140.0851	1.401.0851	540.0851		8.3720
10"	12.8"	3.35"	2645	140.1051	1.401.1051	540.1051		10.3725

**Application:** Medium to heavy-duty carts on even floors. Highly resistant to abrasion, oils and chemical agents. Ideal for food industry.

# SANDWICH

Medium-Duty

440 lbs



- Polyamide nylon wheel with soft rubber inner-ring
- Symmetrical hub, **12mm** bore size with roller bearing or **20mm** without bearing
- Wheel size **4" and 5"**

Bore length	1-3/4"		Load Rating lbs
Bore sizes	20mm	12mm	
Bearing	No bearing	Roller Bearing	
<i>Wheel size</i>			
<b>4x1-3/8"</b>	81101-20	81101-12	440
<b>5x1-3/8"</b>	81201-20	81201-12	440

**Application:** Medium load capacity in small diameter. Low starting effort and resistance to abrasion and chemical agents. Extremely quiet, and shock absorbent. Longer life expectancy vs. other hard tread wheels.

**Where to find:** Food industry. Medium-duty (Gem-Roll<sup>®</sup>) casters.







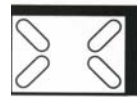
*Material Handling Wheels and Casters*

## Medium-Duty SANDWICH-Wheel Casters

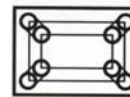
**440 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Polyamide wheel with inner rubber ring for shock absorption
- Roller bearing with spanner bushing, axle and locknut
- Easy to roll and skid away, very quiet and long life expectancy

### SANDWICH



105 x 85 mm  
4.15 x 3.35"



80 x 60 mm  
3.15 x 2.4"

Hole diameter.



47 mm  
1.85"



WHEEL REFERENCE  
Roller Bearing

### Gem-Roll

4"	5.2"	1.45"	440	72748	74748	73748	81101
5"	6.2"	1.34"	440	79966	74966	79967	81201

**Application:** Shock absorbant, reduced maintenance cost. Quiet, low starting effort, and easy to skid away. Abrasion and chemical resistant. Excellent for food industry

# BOLT HOLE CASTERS

**175 to  
275 LBS**

- Zinc-plated pressed steel
- Swivel on double ball race fitting, greased with head seal
- Combined swivel and wheel brake (total lock)
- Choices of wheel
- Plain bearing or roller bearing with spanner bushing, axle and locknut

## MECANIC Bolt hole



### Roll-A-Trou with Manulastic Wheel

4"	5"	1.6"	220 lbs	716.7221	7.160.7221	722.100.1210
5"	6"	1.8"	275 lbs	716.7222	7.160.7222	722.125.1211

### Mecanic with Polypro Wheel

3"	4.13"	1.1"	175 lbs	716.0304	7.160.0304	80262
4"	5"	1.6"	220 lbs	716.0404	7.160.0404	80263
5"	6"	1.8"	275 lbs	716.1500	7.160.1500	80264

### Mecanic with Manutal Wheel

3"	4.13"	1.1"	175 lbs	716.5080	7.160.5080	
4"	5"	1.6"	220 lbs	716.5100	7.160.5100	
5"	6"	1.8"	275 lbs	716.5515	7.160.5515	

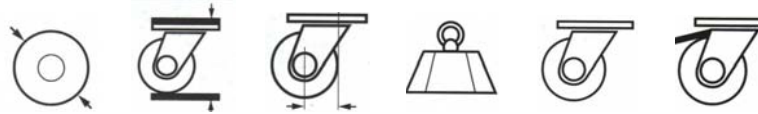
**Application:** For carts needing a stem for attachment to the frame.

# SANINOX

**155 to  
175 LBS**

- Stainless Steel assembly
- Swivel on 2 rows of stainless steel balls
- Combined swivel and wheel brake (total lock)
- Non marking grey thermoplastic wheel with grey polypro center
- Combined swivel and wheel brake
- Non marking grey thermoplastic wheel with grey polypro center
- 100% non-corrosive

**Saninox**



**Mecanic**

4"	5"	1.38"	155	18642	20642
5"	6.1"	1.65"	175	18652	20652

**Application:** For hospital and medical equipment (perhaps needing to withstand sanitizing).

# NYLAC

**175 to  
200 LBS**

- Assembly in polyamide
- Swivel on 2 rows of stainless steel balls
- Combined swivel and wheel brake (total lock)
- Non marking Souplex wheel, polyacetal cage with stainless steel balls
- Stainless steel bolt and nut axle
- Grey plastic thread guards
- 100% non-corrosive

**Nylac**



4"	5.3"	1.5"	175 lbs	48507	58507
5"	6.3"	1.6"	200 lbs	48517	58517

**Application:** For hospital and medical equipment (perhaps needing to withstand sanitizing).

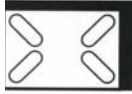
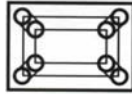

# SIAM – twin caster

**130 to  
165 LBS**

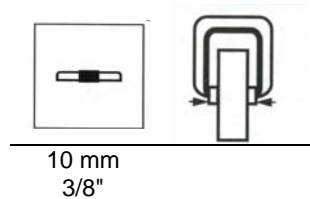
- Pressed steel, chromate zinc finish
- Swivel on 2 rows of greased hardened steel balls
- Black polypropylene or grey rubber wheel
- Thread guards, bolt nut and axle
- Brake on wheel only



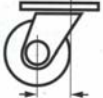



## SIAM – Top Plate



			Hole diameter.	
2"	60 x 60 mm 2.4 x 2.4"	40 x 40 mm 1.6 x 1.6"	6.5 mm 1/4"	
3"	77 x 67 mm 3 x 2.6"	60 x 52 mm 2.4 x 2"	8 mm 5/16"	

## SIAM – Bolt hole



							Wheel Type
<i>SIAM – Bolt hole</i>							
2"	2.9"	0.9"	133 lbs	2 103 1410	2 103 1400		Polypro
3"	3.8"	1"	165lbs	2.104.1410	2.104.1400		Polypro
<i>SIAM – Top Plate</i>							
2"	2.9"	0.9"	133 lbs	2 183 1410	2 183 1400		Polypro
3"	3.9"	1"	165 lbs	2.184.1410	2.184.1400		Polypro
2"	2.9"	0.9"	133 lbs	2 183 1200	2 183 1210		Plastex

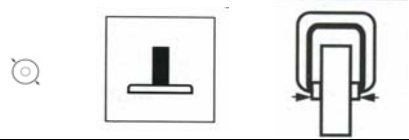
**Application:** Light and medium duty carts for community equipment, advertising display or airplane meal carts.

# TWINNY – twin caster

**50 to  
130 LBS**

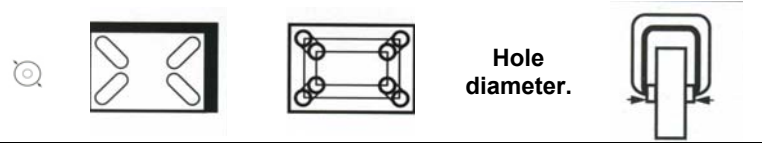
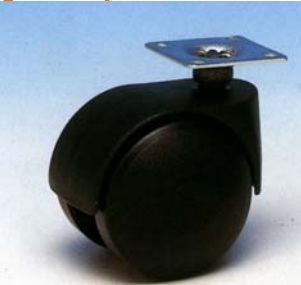
- Black polypropylene bracket
- Top plate or threaded pintle pin fitting
- Swivel and swivel with brake
- Black twin polypropylene wheel on plain bearing

## Twinny – Threaded pintle pin



1.5 & 2"	M8 x 12mm M8 x 1/2"
2 & 3"	M10 x 15mm M10 x 9/16"

## Twinny – Top Plate



			Hole diameter.
1.5"	27 x 27 mm 1 x 1"	17 x 17mm 0.7 x 0.7"	4 mm 5/32"
2"	35 x 35 mm 1.4 x 1.4"	26 x 26 mm 1" x 1"	4 mm 5/32"
3"	47 x 47 mm	34 x 34 mm	6 mm



### Twinny – Top Plate fitting

1 9/16"	2.2"	55 lb	57 210 0000	
2"	2.55"	90 lb	57 410 0000	54 410 0000
3"	3.75"	133 lb	57 610 0000	54 610 0000

### Twinny – Threaded pintle pin

1 9/16"	2"	55 lb	27 209 0000		M8x12
2"	2.4"	88 lb	27 413 0000	34 413 0000	M8x12
2"	2.4"	88 lbs	27.409.0000	34.409.0000	M10x15
3"	3.75"	133 lb	27 609 0000	34 609 0000	M10x15


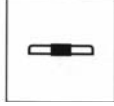

# NOVOPLEX

**90 to  
175 LBS**

- Pressed steel, chromated zinc finish
- Swivel on 2 rows of greased hardened steel balls
- Non-marking gray rubber with plain bearing
- Thread guards, bolt nut and axle
- Wheel brake only for 2" and 3" caster
- Total Lock (combined swivel and wheel brake) for 4" caster
- Application: Light carts and furniture


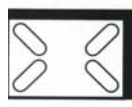
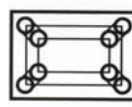

## Novoplex – Bolt hole



		
2 & 3"	10.5 mm 3/8"	
4 & 5"	12.5 mm 1/4"	

## Novoplex – Top Plate



			<b>Hole diameter.</b>	
2"	50 x 50 mm 1.97 x 1.97"	37.5 x 34 mm 1.5 x 1.3"	6.5 mm 1/4"	
3"	65 x 65 mm 2.5 x 2.5"	53 x 43.5 mm 2 x 1.7"	8.5 mm 5/16"	
4 & 5"	75 x 75 mm 3" x 3"	60 x 50 mm 2.4 x 1.97"	8.5 mm 5/16"	



### Novoplex – Bolt hole

2"	2.7"	1.0"	90 lbs	13307	13327
3"	3.85"	1.3"	130 lbs	13707	13727
4"	5.2"	1.4"	155 lbs	13807	13827
4-3/4"	6.1"	1.5"	175 lbs	13907	13927

### Novoplex – Top Plate

2"	2.8"	1.0"	90 lbs	66507	66527
3"	4"	1.3"	130 lbs	66707	66727
4"	5.3"	1.4"	155 lbs	66807	66827
4-3/4"	6.2"	1.5"	175 lbs	66907	66927

# Caster Symbols For Reference

## Casters with top plates

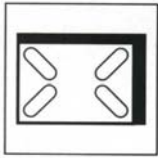
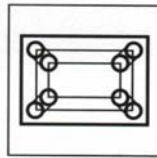
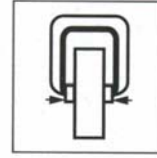


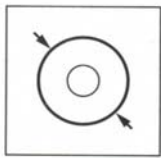
Plate dimensions



Bolt hole spacing



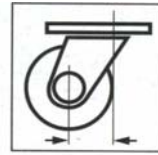
Distance between forks



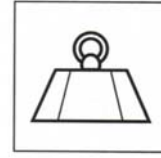
Wheel diameter



Overall height



Swivel radius



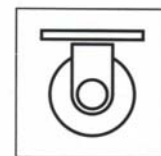
Load capacity



Swivel



Swivel with brake

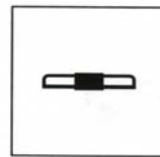


Rigid

## Casters with stems or bolt holes



Diameter x Height



Hole diameter



## Conversion Table

<u>FRACTION</u>	<u>DECIMAL</u>	<u>METRIC</u>	<u>FRACTION</u>	<u>DECIMAL</u>	<u>METRIC</u>
<b>1/64</b>	.015625	0.39688	<b>33/64</b>	.515625	13.09688
<b>1/32</b>	.03125	0.79375	<b>17/32</b>	.53125	13.49375
<b>3/64</b>	.046875	1.19063	<b>35/64</b>	.546875	13.89063
<b>1/16</b>	.0625	1.58750	<b>9/16</b>	.5625	14.28750
<b>5/64</b>	.078125	1.98438	<b>37/64</b>	.578125	14.68438
<b>3/32</b>	.09375	2.38125	<b>19/32</b>	.59375	15.08125
<b>7/64</b>	.109375	2.77813	<b>39/64</b>	.609375	15.47813
<b>1/8</b>	.125	3.17500	<b>5/8</b>	.625	15.87500
<b>9/64</b>	.140625	3.57188	<b>41/64</b>	.640625	16.27188
<b>5/32</b>	.15625	3.96870	<b>21/32</b>	.65625	16.66875
<b>11/64</b>	.171875	4.36563	<b>43/64</b>	.671875	17.06563
<b>3/16</b>	.1875	4.76250	<b>11/16</b>	.6875	17.46250
<b>13/64</b>	.203125	5.15938	<b>45/64</b>	.703125	17.85938
<b>7/32</b>	.21875	5.55625	<b>23/32</b>	.71875	18.25625
<b>15/64</b>	.234375	5.95313	<b>47/64</b>	.734375	18.65313
<b>1/4</b>	.25	6.35000	<b>3/4</b>	.75	19.05000
<b>17/64</b>	.265625	6.74688	<b>49/64</b>	.765625	19.44688
<b>9/32</b>	.28125	7.14375	<b>25/32</b>	.78125	19.84375
<b>19/64</b>	.296875	7.54063	<b>51/64</b>	.796875	20.24063
<b>5/16</b>	.3125	7.93750	<b>13/16</b>	.8125	20.63750
<b>21/64</b>	.328125	8.33438	<b>53/64</b>	.828125	21.03438
<b>11/32</b>	.34375	8.73125	<b>27/32</b>	.84375	21.43125
<b>23/64</b>	.359375	9.12813	<b>55/64</b>	.859375	21.82810
<b>3/8</b>	.375	9.52500	<b>7/8</b>	.875	22.22500
<b>25/64</b>	.390625	9.92188	<b>57/64</b>	.890625	22.62188
<b>13/32</b>	.40625	10.31875	<b>29/32</b>	.90625	23.01875
<b>27/64</b>	.421875	10.71563	<b>59/64</b>	.921875	23.41563
<b>7/16</b>	.4375	11.11250	<b>15/16</b>	.9375	23.81250
<b>29/64</b>	.453125	11.50938	<b>61/64</b>	.953125	24.20930
<b>15/32</b>	.46875	11.90625	<b>31/32</b>	.96875	24.60625
<b>31/64</b>	.484375	12.30313	<b>63/64</b>	.984375	25.00313
<b>1/2</b>	.5	12.70000	<b>1</b>	1 INCH	25.40000