

# NYLACRON™ NY/MD

All information is based on Acorn's over 20 years experience working with the producers of the cast polyamides to successfully provide Nylacron™ wheels for the industries where the properties of this material offers many benefits.

**NYLACRON™ WHEELS ARE ALSO AVAILABLE IN FLANGED / V-GROOVE AND CUSTOM SIZES TO 51" DIAMETER TO MEET JOB REQUIREMENTS.**

**Nylacron™ Wheels design and manufactured by Acorn™ available in any size to fit any caster rig or wheel application and replace any type wheel.**



## STANDARD U.S. CASTER WHEEL SIZES

Dia. (inch)	Width (inch)	Capacity (lbs)	Hub Length (inch)	Axle Bore (inch)	Wheel Part Number*
3	1-1/4	440	1-1/2	3/8	NY/MDP031206
4	1-1/4	550	1-1/2	3/8	NY/MDP041206
5	1-1/4	660	1-1/2	3/8	NY/MDP051206
6	1-1/4	770	1-1/2	3/8	NY/MDP061206
3	2	1000	2-3/16	1/2	NY/MDP032008
4	2	2000	2-3/16	1/2	NY/MDP042008
5	2	2000	2-3/16	1/2	NY/MDP052008
6	2	2000	2-3/16	1/2	NY/MDP062008
8	2	2400	2-3/16	1/2	NY/MDP082008
6	2-1/2	5000	2-3/4	1/2	NY/MDP062508
6	2-1/2	7200	3-1/4	3/4	NY/MDP062512
6	3	10,000	3-1/2	3/4	NY/MDP063012
8	2-1/2	7000	3	1/2	NY/MDP082508
8	2-1/2	7200	3-1/4	3/4	NY/MDP082512
8	3	10,000	3-1/2	3/4	NY/MDP083012
8	3	10,000	3-1/2	1	NY/MDP083016
8	4	10,000	4-1/2	1-1/4	NY/MDP084020
10	2-1/2	7200	2-3/4	1/2	NY/MDP102508
10	2-1/2	7200	3	3/4	NY/MDP102508
10	3	10,000	3-1/2	3/4	NY/MDP103012
10	4	12,000	4-1/2	1	NY/MDP104016
10	4	12,000	4-1/2	1-1/4	NY/MDP104020
12	2-1/2	8000	3	3/4	NY/MDP122512
12	3	11,000	3-1/2	3/4	NY/MDP123012
12	4	14,000	4-1/2	1	NY/MDP124016
12	4	14,000	4-1/2	1-1/4	NY/MDP124020
12	5	18,000	5-1/2	1-1/4	NY/MDP125020

\*Change NY/MD in the Wheel Part Number to NY/HSB for High Temp.

Capacities can be increased by increasing the size of the precision bearings or by providing double row precision bearings.

End caps provided with each wheel to fit in rig width and size of the axle.

**Can be made to metric sizes.**

## NYLACRON™ WHEELS NY/MD AND NY/HSB

**Capacity** Up to 26,400 lbs.



**Heavy Duty Nylonacron™ Wheels** are made of tough, hard, highly compressed cast polyamide, MD (MoS<sub>2</sub>) filled or heat stabilized (high temp blue) to replace Steel, Phenolic, Solid Elastomer and Urethane Wheels, where very high load capacities, floor protection, low rolling resistance, impact proof, corrosive resistance and floor conditions allow. The casting process increases the load capacity compared to injection-molded nylon and has better properties in regard to tension and pressure, modulus of elasticity, thermoform stability, coefficient of friction, flow properties and absorption of humidity.

*Any size and type precision tapered or ball bearing available.*

### Features

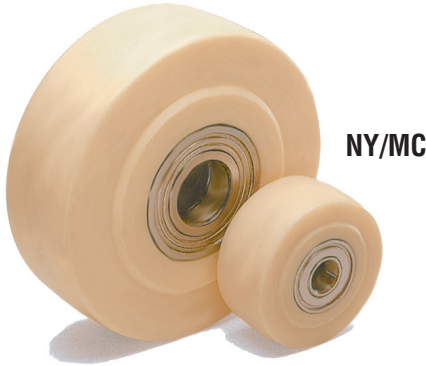
- **Ergonomic:** Extraordinarily easy to push - no more backaches - less power to tow.
- **Wheels:** Wheel dampens shock and vibration thus reducing noise.
- **High Impact Strength:** Resists fracture from repeated shock loads.
- **Higher Loads:** Mechanical strength supports greater weight and allows better utilization in caster rigs.
- **Higher Resilience:** Wheel returns to original shape without deforming when deflected by loads or rapidly applied stresses.
- **High Caster Ratings:** Higher wheel ratings allow better utilization of caster rig ratings.
- **Floor Protective:** Material does not damage floors and is lighter in weight than steel.
- **Longer Life:** Shows minimal wear in extended use—resists abrasion, water and many hazardous chemicals. Ideal for stainless steel rig applications.
- **Lower Maintenance:** Sealed precision bearings and wheels greatly reduce in-plant maintenance requirements. Only one type wheel needed.
- **Hardness:** 112-120 Rockwell R
- **Temperature range:** - 30 to + 220 ° F Continuous - 30 to + 400 ° F Continuous NY/HT (3" to 8")
- **Chemical Resistance:** See chart for wide range of chemical resistance.

### Applications

- Aerospace
- AGV
- Amusement Rides
- Automotive
- Bakeries
- Chemical Plants
- Conveyor
- Crane
- Dairy
- Fisheries
- Food
- Meat Processing
- Monorail Conveyors
- Pharmaceutical
- Retrieval Systems
- Storage Racks
- Towlines
- Turning Platforms

## NYLACRON™ MC (NY/MC)

**Capacity** Up to 26,400 lbs.



### Nylacron™ Monocast (NY/MC) Natural Wheels

are an unfilled cast type 6 nylon developed on proven in the field for FDA application requirements. Wheels are straight sided and precision machined on CNC equipment to exact tolerances and comply with section 177.1500 of food additive regulations. Stainless steel precision ball bearings are available for every wheel. Other than the type material, loadings and other characteristics are similar to Nylacron™ MD.

*Any size and type precision tapered or ball bearing available.*

### Features

- **Ergonomic:** Extraordinarily easy to push. No more backaches - less power to tow.
- **Quiet:** Wheel dampens shock and vibration thus reducing noise.
- **High Impact Strength:** Resists fracture from repeated shock loads.
- **Higher Loads:** Mechanical strength supports greater weight and allows better utilization in caster rigs.
- **Higher Resilience:** Wheel returns to original shape without deforming when deflected by loads or rapidly applied stresses.
- **High Caster Ratings:** Higher wheel ratings allow better utilization of caster rig ratings.
- **Floor Protective:** Material does not damage floors and is lighter in weight than steel.
- **Longer Life:** Shows minimal wear in extended use. Resists abrasion, water and many hazardous chemicals. Ideal for stainless steel rig applications.
- **Lower Maintenance:** Sealed precision bearings and wheels greatly reduce in-plant maintenance requirements. Only one type wheel needed.
- **Hardness:** 112-120 Rockwell R.
- **Temperature range:** - 30 to + 220 ° F Continuous.
- **Chemical Resistance:** See chart for wide range of chemical resistance.

### Applications

- Aerospace
- AGV
- Amusement Rides
- Automotive
- Bakeries
- Chemical Plants
- Conveyor
- Crane
- Dairy
- Fisheries
- Food
- Meat Processing
- Monorail Conveyors
- Pharmaceutical
- Retrieval Systems
- Storage Racks
- Towlines
- Turning Platforms

All information is based on Acorn's 20 years experience working with the producers of the cast polyamides to successfully provide Nylacron™ wheels for the industries where the properties of this material offers many benefits.

**NATURAL WHEELS ARE ALSO AVAILABLE IN FLANGED / V-GROOVE AND CUSTOM SIZES TO 51" DIAMETER TO MEET JOB REQUIREMENTS.**

**Nylacron™ Wheels design and manufactured by Acorn™ available in any size to fit any caster rig or wheel application and replace any type wheel.**

Dia. (inch)	Width (inch)	Capacity (lbs)	Hub Length (inch)	Axle Bore (inch)	Wt. (lbs)	Wheel Part Number
3	1-1/4	440	1-1/2	3/8	1	NY/MCP032506
4	1-1/4	550	1-1/2	3/8	1.5	NY/MCP042506
5	1-1/4	660	1-1/2	3/8	2	NY/MCP052506
6	1-1/4	770	1-1/2	3/8	3	NY/MCP062506
3	2	1000	2-3/16	1/2	1.5	NY/MCP032008
4	2	2000	2-3/16	1/2	2	NY/MCP042008
5	2	2000	2-3/16	1/2	3	NY/MCP052008
6	2	2000	2-3/16	1/2	4	NY/MCP0620-08
8	2	2400	2-3/16	1/2	5	NY/MCP082008
6	2-1/2	5000	2-3/4	1/2	5	NY/MCP062508
6	2-1/2	7200	3-1/4	3/4	5	NY/MCP062512
6	3	10,000	3-1/2	3/4	6	NY/MCP063012
8	2-1/2	7000	3	1/2	6	NY/MCP082508
8	2-1/2	7200	3-1/4	3/4	6	NY/MCP082512
8	3	10,000	3-1/2	3/4	8	NY/MCP083012
8	3	10,000	3-1/2	1	8	NY/MCP083016
8	4	10,000	4-1/2	1-1/4	9	NY/MCP084020
10	2-1/2	7200	2-3/4	1/2	7	NY/MCP102508
10	2-1/2	7200	3	3/4	7	NY/MCP102512
10	3	10,000	3-1/2	3/4	8	NY/MCP103012
10	4	12,000	4-1/2	1	9	NY/MCP104016
10	4	12,000	4-1/2	1-1/4	9	NY/MCP104020
12	2-1/2	8000	3	3/4	8	NY/MCP122512
12	3	11,000	3-1/2	3/4	9	NY/MCP123012
12	4	14,000	4-1/2	1	10	NY/MCP124016
12	4	14,000	4-1/2	1-1/4	10	NY/MCP124020
12	5	18,000	3	1-1/4	11	NY/MCP125020

**CAPACITIES CAN BE INCREASED BY INCREASING THE SIZE OF THE PRECISION BEARINGS OR BY PROVIDING DOUBLE ROW PRECISION BEARINGS.**

## NYLACRON™ MD/FLANGED NY/NL & NY/ND

Capacity Up to 3000 lbs.



**Nylacron™ Wheel**  
Available as Single Flanged  
or Double Flanged

**Heavy Duty Nylacron™ Flanged Wheels** are straight sided and designed to operate quietly on steel track. All are precision machined on CNC equipment for concentricity and ensure proper tracking. Wheels are made of tough, hard, highly compressed cast polyamide, (MoS<sub>2</sub>) filled, heat stabilized and designed to replace Steel, Phenolics, Solid Elastomers and Urethane Wheels in flanged applications, where very high load capacities, low rolling resistance, impact proof, corrosive resistance and speed conditions allow.

**Custom requirements to drawings available.**

*Any size and type precision tapered  
or ball bearing available.*

### Features

- **Ergonomic:** Extraordinarily easy to push. No more backaches - less power to tow.
- **Quiet:** Wheel dampens shock and vibration thus reducing noise.
- **High Impact Strength:** Resists fracture from repeated shock loads.
- **Higher Loads:** Mechanical strength supports greater weight and allows better utilization in caster rigs.
- **Higher Resilience:** Wheel returns to original shape without deforming when deflected by loads or rapidly applied stresses.
- **High Caster Ratings:** Higher wheel ratings allow better utilization of caster rig ratings.
- **Floor Protective:** Material does not damage floors and is lighter in weight than steel.
- **Longer Life:** Shows minimal wear in extended use. Resists abrasion, water and many hazardous chemicals. Ideal for stainless steel rig applications.
- **Lower Maintenance:** Sealed precision bearings and wheels greatly reduce in-plant maintenance requirements. Only one type wheel needed.
- **Hardness:** 112-120 Rockwell R.
- **Temperature range:** - 30 to + 220 ° F Continuous.
- **Chemical Resistance:** See chart for wide range of chemical resistance.

### Applications

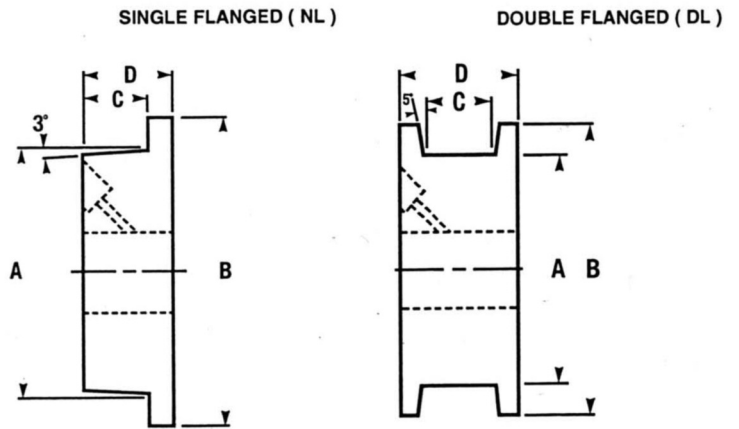
- Aerospace
- Amusement Rides
- Automotive
- Bakeries
- Dairy
- Meat Processing
- Fisheries
- Food Processing
- Pharmaceutical
- Turning Platforms
- Towlines

# NYLACRON™ MD/FLANGED

All information is based on Acorn's 20 years experience working with the producers of the cast polyamides to successfully provide Nylacron™ wheels for the industries where the properties of this material offers many benefits.

**Nylacron™ Wheels design and manufactured by Acorn™ available in any size to fit any caster rig or wheel application and replace any type wheel.**

STANDARD FLAT  
3 DEG SLOPE OPTIONAL



Face Dia. A	Flange OD B	Flange Width C	OAW Width D	Hub Length (inch)	Material Type	Load Capacity (lbs)	Axle Size (inch)	Approx Weight (lbs)	Part Number (P) Prec Ball Brg (T) Tapered Brg
5"	6"	1-3/4"	2"	2-3/16"	Nylacron™	1300	1/2	3	NY/NLP052012
5"	6"	1-3/4"	2"	2-3/16"	Nylacron™	1300	1/2	3	NY/NLT052008
5"	6"	1"	1-1/2"	2-3/16"	Nylacron™	1100	1/2	3	NY/DLP051512
5"	6"	1"	1-1/2"	2-3/16"	Nylacron™	1100	1/2	3	NY/DLT051508
6"	6-3/4"	1-3/4"	2"	2-3/16"	Nylacron™	1600	1/2	4	NY/NLP062012
6"	6-3/4"	1-3/4"	2"	2-3/16"	Nylacron™	1600	1/2	4	NY/NLT062008
8"	9-1/2"	2"	2-1/2"	2-3/4"	Nylacron™	2500	3/4	7	NY/NLP082516
8"	9-1/2"	2"	2-1/2"	2-3/4"	Nylacron™	2500	3/4	7	NY/NLT082512
10"	12"	2-5/8"	3"	3-1/4"	Nylacron™	3000	3/4	8	NY/NLP103016
10"	12"	2-5/8"	3"	3-1/4"	Nylacron™	3000	3/4	8	NY/NLT103012
10"	12"	2-1/4"	3"	3-1/4"	Nylacron™	2000	3/4	8	NY/DLP103016
10"	12"	2-1/4"	3"	3-1/4"	Nylacron™	2000	3/4	8	NY/DLT105012

**CAPACITIES CAN BE INCREASED BY INCREASING THE SIZE OF THE PRECISION BEARINGS OR BY PROVIDING DOUBLE ROW PRECISION BEARINGS.**

**Nylacron™ Wheels can be made to any steel or cast iron size.**

## NYLACRON™ MONOCAST/ V-GROOVE - NY/MC/VG

Capacity Up to 26,00 lbs.



**Nylacron™ Monocast (NY/MC/VG) V-Groove Wheels** are straight sided and designed to operate quietly on steel track. All are precision machined on CNC equipment for concentricity and ensure proper tracking. Wheels are made of tough hard, highly compressed cast polyamide, (MoS<sub>2</sub>) filled, heat stabilized and designed to replace Steel, Phenolics, Solid Elastomers and Urethane Wheels in V-groove applications where very high load capacities, low rolling resistance, impact proof, corrosive resistance and speed conditions allow.

### Available in black MD

**CUSTOM REQUIREMENTS TO DRAWINGS ARE AVAILABLE.**

*Any size and type precision tapered or ball bearing available.*

## Features

- **Ergonomic:** Extraordinarily easy to push. No more backaches - less power to tow.
- **Quiet:** Wheel dampens shock and vibration thus reducing noise.
- **High Impact Strength:** Resists fracture from repeated shock loads.
- **Higher Loads:** Mechanical strength supports greater weight and allows better utilization in caster rigs.
- **Higher Resilience:** Wheel returns to original shape without deforming when deflected by loads or rapidly applied stresses.
- **High Caster Ratings:** Higher wheel ratings allow better utilization of caster rig ratings.
- **Floor Protective:** Material does not damage floors and is lighter in weight than steel.
- **Longer Life:** Shows minimal wear in extended use. Resists abrasion, water and many hazardous chemicals. Ideal for stainless steel rig applications.
- **Lower Maintenance:** Sealed precision bearings and wheels greatly reduce in-plant maintenance requirements. Only one type wheel needed.
- **Hardness:** 112-120 Rockwell R.
- **Temperature range:** - 30 to + 220 ° F Continuous.
- **Chemical Resistance:** See chart for wide range of chemical resistance.

## Applications

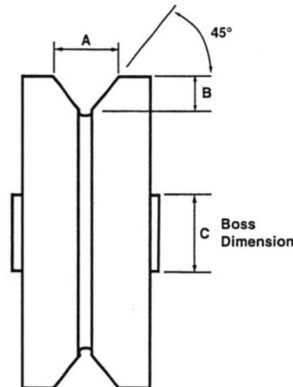
- Aerospace
- Amusement Rides
- Automotive
- Bakeries
- Dairy
- Meat Processing
- Fisheries
- Food Processing
- Pharmaceutical
- Turning Platforms
- Towlines

# NYLACRON™ MC/V-GROOVE

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**Nylacron™ Wheels design and manufactured by Acorn™ available in any size to fit any caster rig or wheel application and replace any type wheel.**

Wheel Dia. A	Width B	V-Groove Width WV	V-Groove Depth DV	Hub Length (inch)	Material Type	Load Capacity (lbs)	Axle Size (inch)	Approx Weight (lbs)	Part Number (P) Precision Ball Bearings
4"	2"	7/8"	7/16"	2-7/16"	(NV) Nylacron™	1000	1/2	2	NY/MC/VGP042012
5"	2"	7/8"	7/16"	2-7/16"	(NV) Nylacron™	1300	1/2	3	NY/MC/VGP052012
6"	2"	7/8"	7/16"	2-7/16"	(NV) Nylacron™	1500	1/2	4	NY/MC/VGP062012
8"	2"	7/8"	7/16"	2-7/16"	(NV) Nylacron™	2000	1/2	6	NY/MC/VGP082012
8"	2-1/2"	7/8"	7/16"	2-3/4"	(NV) Nylacron™	2100	3/4	7	NY/MC/VGP082516
8"	2-1/2"	7/8"	7/16"	2-3/4"	(NV) Nylacron™	2100	3/4	7	NY/MC/VGP082516
10"	2-1/2"	7/8"	7/16"	2-3/4"	(NV) Nylacron™	2400	3/4	9	NY/MC/VGP102516
10"	2-1/2"	7/8"	7/16"	2-3/4"	(NV) Nylacron™	2400	3/4	9	NY/MC/VGP102512
8"	3"	1-3/8"	11/16"	3-1/2"	(NV) Nylacron™	2200	3/4	9	NY/MC/VGP083016
8"	3"	1-3/8"	11/16"	3-1/2"	(NV) Nylacron™	2200	3/4	9	NY/MC/VGP083016
10"	3"	1-3/8"	11/16"	3-1/2"	(NV) Nylacron™	2600	3/4	11	NY/MC/VGP103016
10"	3"	1-3/8"	11/16"	3-1/2"	(NV) Nylacron™	2600	3/4	11	NY/MC/VGP103012



**NYLACRON WHEELS CAN BE MADE TO ANY STEEL OR CAST IRON STANDARD SEE FLANGED STEEL WHEEL SECTION FOR DIMENSIONS**



# WHITE NYLACRON™ WHEELS

## EURO (MM) DIMENSIONS



NY/MC/1 SERIES

Item #	Diameter (mm)	Wheel Width (mm)	Hub Length (mm)	Hub Diameter (mm)	Bore Hole (mm)	Load Capacity (kg)
NYMC/040/033/1/10	40	33	35	17	10	80
NYMC/045/019/1/10	45	19	22	16	10	70
NYMC/050/017/1/10-1	50	17	20	26	10	150
NYMC/050/017/1/10-2	50	17	19	20	10	140
NYMC/050/019/1/06	50	19	27	13	06	100
NYMC/050/025/1/10	50	25	30	18	10	150
NYMC/060/020/1/10	60	20	25	20	10	150
NYMC/065/030/1/10	65	30	35	20	10	170
NYMC/070/030/1/10	70	30	40	25	10	200
NYMC/075/023/1/15	75	23	25	30	15	200
NYMC/080/035/1/15	80	35	37	30	15	300
NYMC/080/035/1/20	80	35	35	50	20	300
NYMC/100/030/1/10	100	30	40	35	10	300
NYMC/100/040/1/15	100	40	50	48	15	450
NYMC/100/050/1/15	100	50	60	55	15	600
NYMC/125/040/1/15	125	40	53	60	15	600
NYMC/125/050/1/15	125	50	60	56	15	700
NYMC/125/050/1/20	125	50	60	56	20	700
NYMC/150/040/1/15	150	40	50	35	15	450
NYMC/150/040/1/20	150	40	53	65	20	700
NYMC/150/050/1/20-1	150	50	55	65	20	600
NYMC/150/050/1/20-2	150	50	60	62	20	800
NYMC/160/050/1/20	160	50	60	63	20	850
NYMC/175/040/1/20	175	40	57	65	20	800
NYMC/175/050/1/20	175	50	55	65	20	750
NYMC/200/040/1/15	200	40	50	45	15	750
NYMC/200/040/1/20	200	40	58	65	20	1.000
NYMC/200/050/1/20-1	200	50	55	65	20	1.000
NYMC/200/050/1/20-2	200	50	60	65	20	1.200
NYMC/200/050/1/25	200	50	60	65	25	1.200
NYMC/250/050/1/20	250	50	60	65	20	1.500
NYMC/250/050/1/25	250	50	60	65	25	1.500
NYMC/250/060/1/25	250	60	65	90	25	1.500
NYMC/300/060/1/30	300	60	70	92	30	2.000

### NYLACRON™ wheels with plain bearing.

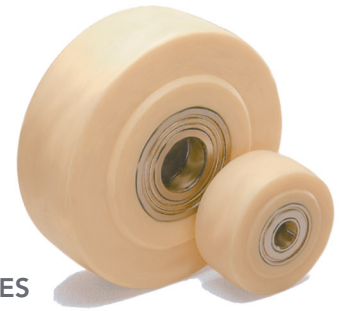
High-quality thermoplastic polyamide. Wheels in heavy-duty design with maintenance-free plain bearing.

25.4 mm = 1 inch 1 kg = 2.2 lbs

All wheels can be adapted to fit in U.S. caster rigs.

# WHITE NYLACRON™ WHEELS

## EURO (MM) DIMENSIONS



NY/MC/5 SERIES

Item #	Diameter (mm)	Wheel Width (mm)	Hub Length (mm)	Fixing Length (mm)	Hub Diameter (mm)	Bore Hole (mm)	Load Capacity (kg)
NYMC/080/035/5/15	80	35	35	33	50	12	300
NYMC/100/040/5/12	100	40	50	43	48	12	450
NYMC/100/040/5/17	100	40	50	50	48	17	450
NYMC/100/050/5/20	100	50	60	60	55	20	600
NYMC/120/050/5/20	120	50	58	56	58	20	600
NYMC/125/040/5/20	125	40	53	53	60	20	600
NYMC/125/050/5/20	125	50	60	62	70	20	700
NYMC/150/040/5/20	150	40	53	51	65	20	700
NYMC/150/050/5/12	150	50	55	60	65	15	600
NYMC/150/050/5/20-1	150	50	55	53	65	20	600
NYMC/150/050/5/20-2	150	50	60	62	76	20	800
NYMC/160/040/5/20	160	40	60	58	60	20	600
NYMC/175/050/5/20	175	50	55	53	65	20	800
NYMC/200/050/5/12	200	50	55	60	65	15	1.000
NYMC/200/050/5/20	200	50	60	60	85	20	1.200
NYMC/200/065/5/25	200	65	74	72	80	25	1.300
NYMC/250/050/5/25	250	50	60	60	92	25	1.500
NYMC/250/060/5/25	250	60	65	63	90	25	1.500
NYMC/300/060/5/25	300	60	70	68	93	25	2.000

**NYLACRON™** wheels with ball bearing. High-quality thermoplastic polyamide. Wheels in heavy-duty design with ball bearing.

25.4 mm = 1 inch 1 kg = 2.2 lbs

**CUSTOM SIZES AVAILABLE**

**All wheels can be adapted to fit in U.S. caster rigs.**

# HEAVY DUTY INDUSTRIAL STAINLESS STEEL CASTERS WITH NYLACRON™ WHEELS EURO (MM) DIMENSIONS



NR SERIES

NRS SERIES

**NS Heavy-Duty  
Stainless Steel  
SWIVEL CASTER  
NYLACRON™  
WHEELS.**

**NR Heavy-Duty  
Stainless Steel  
RIGID CASTER  
NYLACRON™  
WHEELS.**

**NTL Heavy-Duty  
Stainless Steel  
TOTAL LOCK  
CASTER  
NYLACRON™  
WHEELS.**

Item #	Diameter (mm)	Wheel Width (mm)	Overall Height (mm)	Top Plate Size (mm)	Bolt Hole Spacing (mm)	Bolt Hole Diameter (mm)	Offset (mm)	Load Capacity (kg)
NSSS/080/35/5L	80	35	118	105 x 85	80 x 60	9	40	300
NSSS/100/40/5L	100	40	140	105 x 85	80 x 60	9	45	350
NSSS/100/50/5L	100	50	148	135 x 110	105 x 80	11	50	600
NSSS/125/40/5L	125	40	165	105 x 85	80 x 60	9	45	350
NSSS/125/50/5	125	50	178	135 x 110	105 x 80	11	50	700
NSSS/150/50/5	150	50	205	135 x 110	105 x 80	11	50	750
NSSS/175/50/5	175	50	228	135 x 110	105 x 80	11	50	750
NSSS/200/50/5	200	50	250	135 x 110	105 x 80	11	55	750
NSSS/250/50/5	250	50	307	160 x 120	160 x 120	15	63	1.000
NSSS/300/60/5	300	60	347	160 x 120	160 x 120	15	73	1.400

Item #	Diameter (mm)	Wheel Width (mm)	Overall Height (mm)	Top Plate Size (mm)	Bolt Hole Spacing (mm)	Bolt Hole Diameter (mm)	Offset (mm)	Load Capacity (kg)
NRSS/080/35/5L	80	35	118	105 x 85	80 x 60	9	40	300
NRSS/100/40/5L	100	40	140	105 x 85	80 x 60	9	45	350
NRSS/100/50/5L	100	50	148	135 x 110	105 x 80	11	50	600
NRSS/125/40/5L	125	40	165	105 x 85	80 x 60	9	45	350
NRSS/125/50/5	125	50	178	135 x 110	105 x 80	11	50	700
NRSS/150/50/5	150	50	205	135 x 110	105 x 80	11	50	750
NRSS/175/50/5	175	50	228	135 x 110	105 x 80	11	50	750
NRSS/200/50/5	200	50	250	135 x 110	105 x 80	11	55	750
NRSS/250/50/5	250	50	307	160 x 120	160 x 120	15	63	1.000
NRSS/300/60/5	300	60	347	160 x 120	160 x 120	15	73	1.400

Item #	Diameter (mm)	Wheel Width (mm)	Overall Height (mm)	Top Plate Size (mm)	Bolt Hole Spacing (mm)	Bolt Hole Diameter (mm)	Offset (mm)	Load Capacity (kg)
NTLSS/080/35/5L	80	35	118	105 x 85	80 x 60	9	40	300
NTLSS/100/40/5L	100	40	140	105 x 85	80 x 60	9	45	350
NTLSS/100/50/5L	100	50	148	135 x 110	105 x 80	11	50	600
NTLSS/125/40/5L	125	40	165	105 x 85	80 x 60	9	45	350
NTLSS/125/50/5	125	50	178	135 x 110	105 x 80	11	50	700
NTLSS/150/50/5	150	50	205	135 x 110	105 x 80	11	50	750
NTLSS/175/50/5	175	50	228	135 x 110	105 x 80	11	50	750
NTLSS/200/50/5	200	50	250	135 x 110	105 x 80	11	55	750
NTLSS/250/50/5	250	50	307	160 x 120	160 x 120	15	63	1.000
NTLSS/300/60/5	300	60	347	160 x 120	160 x 120	15	73	1.400

25.4 mm = 1 inch 1 kg = 2.2 lbs

## NYLACRON™ ERGONOMIC TEST RESULTS FROM AN INDEPENDENT FORTUNE 500 CUSTOMER TEST.

FORCE/STRAIN MEASUREMENTS FOR 9C BASE ROLL CARTS.				
PUSHING FORCE REQUIRED (KG)	WHEEL TYPE			
Foces measured using Chatillon DPPH-50 Force Gage	Current (Black Albion)	Black Nylacron™	Swivel EAZ Dual Wheel - grey	Swivel EAZ Dual Wheel - black
Static Force	11-13	9-12	14-15	15-16
Force required to keep cart moving, once in motion	4-5	2-4	5-6	8-10
PUSHING FORCE REQUIRED (KG)	WHEEL TYPE			
Foces measured using Chatillon DPPH-50 Force Gage	Current (Black Albion)	Black Nylacron™	Swivel EAZ Dual Wheel - grey	Swivel EAZ Dual Wheel - black
Static Force	14-16	9-12	15	25
Force required to keep cart moving, once in motion	3-4	2-4	5-6	10
Turning Force	20	20	19-20	25

# NYLACRON™ SPEED CORRECTION

WHEEL	MPH**	MPH CORRECTION FACTOR	LOAD RATING
4 X 2	0.38 *	1.00	2400
	2.00	0.82	1968
	4.00	0.63	1512
5 X 2	0.42 *	1.00	3000
	2.00	0.71	2130
	4.00	0.52	1560
6 X 2	0.61 *	1.00	3320
	2.00	0.68	2258
	4.00	0.54	1793
8 X 2	0.79*	1.00	3320
	2.00	0.75	2490
	4.00	0.64	2125
8 X 2.5	0.79*	1.00	6000
	2.00	0.89	5340
	4.00	0.76	4560
10 X 2.5	0.98*	1.00	7140
	2.00	0.82	5855
	4.00	0.65	4641
6 X 3	0.61*	1.00	5400
	2.00	1.00	5400
	4.00	1.00	5400
8 X 3	0.79*	1.00	7200
	2.00	1.00	7200
	4.00	1.00	7200
10 X 3	0.98*	1.00	9000
	2.00	1.00	9000
	4.00	1.00	9000

\* MPH @ 33-1/3 RPM

\*\* All speeds in chart are under 500 RPM

MPH = RPM x Wheel Circumference (FT)  
x 60 Min/Hour x Mile / 5280

**EXAMPLE:**

Find MPH for 4 X 2 wheel going 33.33 RPM:  
MPH = 33.33 REV/MIN x 1.04 FT/REV x 60 Min/Hour  
x Mile / 5280 FT = .38 MPH

## Applications

- Food Processing
- Dairies
- Meat Processing
- Automotive
- Turning Platforms
- Towlines
- Bakeries
- Fisheries
- Pharmaceutical
- Aerospace
- Amusement Rides

# NYLACRON™ CHEMICAL RESISTANCE

The following chemicals are considered compatible with Nylacron™ wheels. This is a general guide only, since there are many other chemicals compatible with these wheels. Field testing is recommended to confirm these recommendations.

**Call Acorn™ (Toll Free) for any specific Chemical Resistance Data**

<b>Acetic acid</b>	<b>Ethyl alcohol</b>	<b>Petrol</b>
<b>Acetone</b>	<b>Ether</b>	<b>Petroleum</b>
<b>Amyl acetate</b>	<b>Fish glue</b>	<b>Sea water</b>
<b>Ammonia</b>	<b>Freon</b>	<b>Silicone oil/grease</b>
<b>Ammonia chloride</b>	<b>Gasoline</b>	<b>Sodium chloride solutions</b>
<b>Ammonia sulfate</b>	<b>Glycerine</b>	<b>Soy Bean oil</b>
<b>Beer</b>	<b>Glycol</b>	<b>Tolulene</b>
<b>Benzene</b>	<b>Hexane</b>	<b>Toluol</b>
<b>Boric acid</b>	<b>Hydrogen sulfide</b>	<b>Trichloroehylene</b>
<b>Butyric acid</b>	<b>Hydrochloric acid</b>	<b>Turpentine</b>
<b>Butane</b>	<b>Isopropyl alcohol</b>	<b>Urea</b>
<b>Calcium chloride solutions</b>	<b>Jet fuels</b>	<b>Vaseline</b>
<b>Carbon dioxide</b>	<b>Linseed oil</b>	<b>Vegetable oils</b>
<b>Carbon disulphide</b>	<b>Lubricating oils</b>	<b>Vinyl chloride</b>
<b>Carbon monoxide</b>	<b>Lye</b>	<b>Water</b>
<b>Carbon tetrachloride</b>	<b>Mercury</b>	<b>Wax molten</b>
<b>Citric acid solutions</b>	<b>Methyl chloride</b>	<b>White spirit</b>
<b>Copper sulphate solutions</b>	<b>Methyl ethyl ketone</b>	<b>Wines &amp; spirits</b>
<b>Diesel oil</b>	<b>Milk</b>	<b>Xylene</b>
<b>Edible oils</b>	<b>Mineral oil</b>	<b>Zinc chloride solutions</b>
<b>Esters</b>	<b>Motor oil</b>	
<b>Ethanol</b>	<b>Olive oil</b>	