



AAKASH[®]

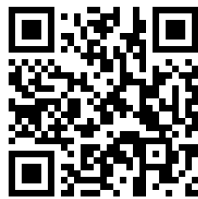


ENGINEERS

We help you keep your business moving.


An ISO 9001:2015 Certified company


Manufacturing and Supplying Industrial Wheels & Industrial Caster Wheels for past 25 years.



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Aakash Engineer's Caster Wheel

At Aakash Engineers we manufacture caster with wheels available in a range of sizes, materials, and features, depending on specific applications and load capacity requirements.

These casters can drastically improve workplace efficiency, manual handling, and labor cost. It becomes an essential piece of equipment when it comes to moving heavy-duty equipment from one place to another.

Engineered to easily carry substantial loads, our caster wheels provide exceptional stability and maneuverability, enabling you to optimize productivity in your industrial operations.

Customize your mobility solutions with our versatile caster wheels, tailored to meet your specific requirements and industry needs.

Light Duty Caster Wheel



Dimensions for Light Duty Caster Wheel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
50 * 25	PU / CI / PP/Rubber	70 * 50	72	55 * 34	50
63 * 25	PU / CI / PP/Rubber	95 * 65	100	75 * 45	60
75 * 25	PU / CI / PP/Rubber	95 * 65	110	75 * 45	80
100 * 30	PU / CI / PP/Rubber	95 * 65	125	75 * 45	90
100 * 38	PU / CI / PP/Rubber	95 * 65	125	75 * 45	95

Key Features:

- **Load Capacity** – As the name suggests, it is used for lightweight applications. Typically, it has a load capacity of up to 100 kg each.
- **Wheel Diameter**- These casters generally have a wheel diameter ranging from 2 to 5 inches.
- **Swivel Mechanism**- These wheels are available with an option to select between fixed and swivel types of caster.
- **Braking option**- Light Duty Casters Wheels, are available with options of break. The breaks allow them to be locked in a place, so the equipment cannot move and unquestionably provide workplace safety.

Medium Duty Caster Wheel

Aakash Engineer's medium-duty casters are designed to withstand larger weight as compared to light-duty wheels. Typically, it can hold from 100 kg to 300 kg on each caster.

- Design Option - Available in Swivel with Break, Swivel and Fixed Type.

Medium Duty Caster Wheel - Pressed Steel



Dimensions for Medium Duty Caster Wheel - Pressed Steel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
100 * 50	PU on Nylon/ Cast Iron/ U.H.M.W / HDPE	130 * 115	130	105 * 78	150
125 * 50	PU on Nylon/ Cast Iron/ U.H.M.W / HDPE	130 * 115	167	105 * 78	200
150 * 50	PU on Nylon/ Cast Iron/ U.H.M.W / HDPE	130 * 115	190	105 * 78	250
200 * 50	PU on Nylon/ Cast Iron/ U.H.M.W / HDPE	130 * 115	225	105 * 78	275

Medium Duty Caster Wheel - M.S Fabricated



Dimensions for Medium Duty Caster Wheel - M.S Fabricated:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
50 * 25	PU / CI / PP/Rubber	85 * 60	70	65 * 40	60
75 * 35	PU / CI / PP/Rubber	85 * 60	100	65 * 40	100
100 * 35	PU / CI / PP/Rubber	100 * 80	130	80 * 60	150
100 * 50	PU / CI / PP/Rubber	115 * 100	145	85 * 70	150
125 * 50	PU / CI / PP/Rubber	115 * 100	170	85 * 70	175
150 * 50	PU / CI / PP/Rubber	115 * 100	195	85 * 70	250
200 * 50	PU / CI / PP/Rubber	115 * 100	240	85 * 70	300

Aakash Engineer's heavy-duty casters are designed to withstand larger weight as compared to light-duty and medium-duty caster wheels. Typically, it can hold from 225 kg to 1300 kg on each caster.

- Design Option - Available in Swivel with Break, Swivel and Fixed Type.

Heavy Duty Caster Wheel - Forged Steel



Dimensions for Heavy Duty Caster Wheel - Forged Steel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
100 * 50	Rubber Bonded	155 * 95	155	120 * 60	225
100 * 50	Fiber/ U.H.M.W / PU / Cast Iron	155 * 95	155	120 * 60	300
125 * 50	Rubber Bonded	155 * 95	180	120 * 60	230
125 * 50	Fiber / U.H.M.W / P.U	155 * 95	180	120 * 60	350
125 * 50	Cast Iron	155 * 95	180	120 * 60	600
150 * 50	Rubber Bonded	155 * 95	205	120 * 60	350
150 * 50	Fiber / U.H.M.W / P.U	155 * 95	205	120 * 60	500
150 * 50	Cast Iron	155 * 95	205	120 * 60	700
200 * 50	Rubber Bonded	155 * 95	255	120 * 60	550
250 * 50	Rubber Bonded	155 * 95	305	120 * 60	650
250 * 50	Fiber / U.H.M.W / P.U	155 * 95	305	120 * 60	850
250 * 50	Cast Iron	155 * 95	305	120 * 60	900
300 * 50	Rubber Bonded	155 * 95	355	120 * 60	600
300 * 50	Fiber / U.H.M.W / P.U	155 * 95	355	120 * 60	700
300 * 50	Cast Iron	155 * 95	355	120 * 60	1225



Heavy Duty Caster Wheel - Thrust Bearing / Taper Bearing

Dimensions for Heavy Duty Caster Wheel - Thrust Bearing / Taper Bearing:

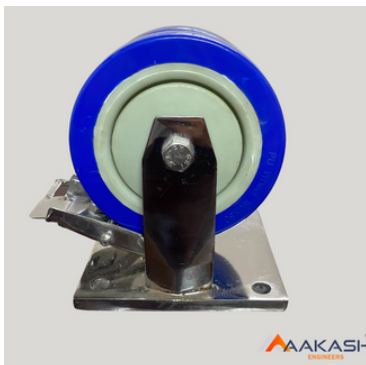


Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
100 * 50	UHMW / PU on CI/ PU on Nylon / Fiber	140 * 110 / 155 * 95	167	105 * 75 / 120 * 60	400
125 * 50	UHMW / PU on CI/ PU on Nylon / Fiber	140 * 110 / 155 * 95	192	105 * 75 / 120 * 60	450
150 * 50	UHMW / PU on CI/ PU on Nylon / Fiber	140 * 110 / 155 * 95	217	105 * 75 / 120 * 60	500
200 * 50	UHMW / PU on CI/ PU on Nylon / Fiber	140 * 110 / 155 * 95	267	105 * 75 / 120 * 60	600
300 * 50	UHMW / PU on CI/ PU on Nylon / Fiber	140 * 110 / 155 * 95	317	105 * 75 / 120 * 60	625

Twin Caster Wheel

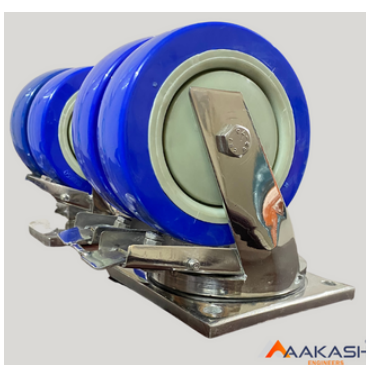
Aakash Engineer's heavy-duty twin caster is designed with two wheels to offer improved stability, load bearing capacity, making it a perfect choice to transfer heavy loads.

- Design Option - Available in Swivel with Break, Swivel and Fixed Type.



Dimensions for Heavy Duty Twin Caster Wheel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Hole Distance (mm)	Load Capacity (kg)
150 * 50	PU on CI / UHMW	150 * 108	120 * 60	400
200 * 50	PU on CI / UHMW	150 * 108	120 * 60	650



Spring Loaded Caster Wheel

A spring-loaded caster is chiefly designed to have a spring-loaded suspension system, this enables the wheel to absorb shocks and vibration. Furthermore, it ensures safe and smooth movement over rough surfaces.

- Design Option - Available in Swivel with Break, Swivel and Fixed Type.



Dimensions for Heavy Duty Spring Loaded Caster Wheel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
100 * 50	UHMW / PU on CI / PU on Nylon	140 * 110	165	105 * 75	300
125 * 50	UHMW / PU on CI / PU on Nylon	140 * 110	180	105 * 75	400
150 * 50	UHMW / PU on CI / PU on Nylon	140 * 110	195	105 * 75	500
200 * 50	UHMW / PU on CI / PU on Nylon	140 * 110	257	105 * 75	600



Stainless Steel Caster Wheel

Made entirely of stainless steel, these casters provide an efficient solution requiring high corrosion resistance and durability.

- Design Option - Available in Swivel with Break, Swivel and Fixed Type.



Dimensions for Stainless Steel Caster Wheel:

Caster Size Diameter × Width (mm)	Type of Wheel (with B.B)	Plate Size (mm)	Overall Height (mm)	Hole Distance (mm)	Load Capacity (kg)
50 * 25	PU/ UHMW /FIBER /Rubber	75 * 50	75	60 * 30	30
75 * 25	PU/ UHMW /FIBER /Rubber	75 * 65	100	54 * 43	40
75 * 30	PU/ UHMW /FIBER /Rubber	75 * 75	100	55 * 55	75
100 * 30	PU/ UHMW /FIBER /Rubber	100 * 80	130	80 * 60	85
125 * 30	PU/ UHMW /FIBER /Rubber	100 * 100	130	75 * 75	120
125 * 50	PU/ UHMW /FIBER /Rubber	100 * 100	155	75 * 75	150
100 * 50	PU/ UHMW /FIBER /Rubber	100 * 100	130	75 * 75	120
150 * 50	PU/ UHMW /FIBER /Rubber	100 * 100	190	75 * 75	175
200 * 50	PU/ UHMW /FIBER /Rubber	150 * 100	235	125 * 75	200



Ready to roll with the best? Contact us now to discuss your caster wheel requirements and let us provide you with the perfect solution for your mobility needs.



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Industrial Wheel

For the past 25 years, Aakash Engineers has been a trusted manufacturer of high-quality wheels in India. From heavy-duty industrial wheels to specialized wheels for specific applications, we have the expertise and experience to deliver the right solution

Introducing our industrial wheels, purpose-built for the toughest environments. Engineered to withstand heavy loads and harsh conditions, our industrial wheels offer unparalleled durability and reliability for seamless mobility in industrial applications.

Polyurethane on Nylon Wheel (PU on Nylon)



Dimensions for PU on Nylon Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
50	25	10	B.B	35
63	25	10	B.B	50
75	25	15	B.B	55
75	30	15	B.B	60
100	30	15	B.B	100
100	38	15	B.B	125
100	50	15	B.B	175
125	30	17	B.B	175
125	50	17	B.B	200
150	50	17	B.B	225
200	50	25	B.B	250

UHMW Wheel



Dimensions for UHMW Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
50	25	6	Plain	60
63	25	10	Plain	70
75	25	10	Plain	75
75	30	10	Plain	80
100	30	12	Plain	120
100	50	25	Plain	230
100	50	17	B.B	250
125	35	17	B.B	250

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
150	50	25	Plain / B.B	430
150	75	25	Plain/ B.B	630
200	50	25	Plain/ B.B	650
200	75	25	Plain/ B.B	850
250	50	25	Plain/ B.B	730
250	75	25	Plain/ B.B	1050
300	50	25	Plain/ B.B	950
300	75	25	Plain/ B.B	1250

Solid Rubber Tyre - Pressed Steel Disc



Dimensions for Solid Rubber Tyre - Pressed Steel Disc:

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
100	30	15	Roller	200
125	30	15	Roller	225
150	50	25	Bush type	250
200	50	25	Bush type	300

Solid Rubber Tyre - Cast Iron Disc



Dimensions for Solid Rubber Tyre - Cast Iron Disc:

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
400	100	40-55	Tapper Bearing / B.B	1500

Casting Wheel / Cast Iron Wheel



Dimensions for UHMW Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
50	25	6	Plain	60
63	25	10	Plain	70
75	25	10	Plain	75
75	30	10	Plain	80
100	30	12	Plain	120
100	50	25	Plain	230
100	50	17	B.B	250
125	35	17	B.B	250
125	50	25	Plain/ B.B	280

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
150	50	25	Plain / B.B	430
150	75	25	Plain/ B.B	630
200	50	25	Plain/ B.B	650
200	75	25	Plain/ B.B	850
250	50	25	Plain/ B.B	730
250	75	25	Plain/ B.B	1050
300	50	25	Plain/ B.B	950
300	75	25	Plain/ B.B	1250

Polyurethane on Cast Iron Wheel (PU on CI)



Dimensions for PU on CI Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
80	65	20	B.B	400
100	50	17	B.B	250
150	50	20	B.B	400
150	75	25	B.B	450
200	50	25	B.B	500
200	75	25	B.B	750
250	50	25	B.B	700

Rubber Bonded Wheel



Dimensions for Rubber Bonded Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
100	50	17	B.B	150
150	50	25	B.B	200
200	50	25	B.B	250
300	75	30	B.B	1000
300	100	35	B.B	1500



Ready to optimize your industrial operations?
 Contact us today and let our high-performance industrial wheels take your productivity to new heights.

Finorex / Fiber Wheel



Dimensions for Finorex/ Fiber Wheel

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
50	25	6	Plain	60
63	25	10	Plain	70
75	25	10	Plain	75
75	30	10	Plain	80
100	30	12	Plain	120
100	50	25	Plain	230
100	50	17	B.B	250
125	35	17	B.B	250
125	50	25	Plain/ B.B	280

Wheel Diameter (mm)	Tread Width (mm)	D Hole (mm)	Type of Bearing	Load Capacity (kg)
150	50	25	Plain / B.B	430
150	75	25	Plain/ B.B	630
200	50	25	Plain/ B.B	650
200	75	25	Plain/ B.B	850
250	50	25	Plain/ B.B	730
250	75	25	Plain/ B.B	1050
300	50	25	Plain/ B.B	950
300	75	25	Plain/ B.B	1250



Request a consultation today! Discover how our superior industrial wheels can elevate your operations to new levels of efficiency and reliability.

AAKASH ENGINEERS



Who We Are:

For over 25 years, Aakash Engineers has been a trusted name in the industry, dedicated to manufacturing high quality equipment.



Product Category:



Caster Wheels

Heavy Duty Casters
Medium Duty Casters
Light Duty Casters
Spring Loaded Casters
Track Casters
Wheels- UHMW, PU on Ci,
PU on Nylon, Solid Rubber
Tyre & Fibre wheel



Ground Support Equipment

Step Lader
Baggage Trolley
Baggage Freight Loader
Toilet Cart/
Water Cart
Rinsing
Equipment



Material Handling Solutions

Scissor Lift
Dock Levellers
Hydraulic Goods Lift
Conveyors
Stackers



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