

**Brought Science in Caster Wheel**

**SUPO<sup>®</sup>**

MASTER THE CORE TECHNOLOGY OF CASTER



**Unbeatable Quality, Affordable Price**

**Marketed in Bangladesh by:**

**SHURUCHI**

Importer & Whole Seller of Industrial Tools  
Caster Wheel & Power Tools

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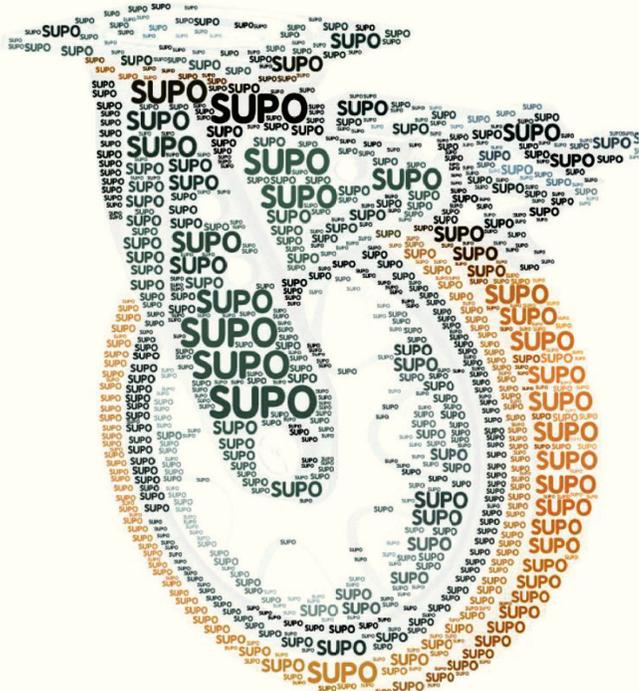
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## THE SUPO STORY

Pioneer branded caster SUPO brand introduced in 2004, continually using the latest technology, innovative design and listening to customers' expectations, SUPO chased the dream of becoming a world class brand caster manufacturer base on international standards. Now, SUPO has become the most outstanding caster manufacturers in the world.

## MASTER CASTER CORE TECHNOLOGY

After the innovation of caster, there are lots of innovations, but SUPO consider world market still has strong request for caster core technology- let our life more convenience and moving effectively. Therefore, SUPO's core technology R&D team keep this pursue heart and innovate the caster become better. Insisting the self-reliant innovation, SUPO Put huge funds in R&D project every year.

Today, **SUPO** has over 180 Exclusive shops, 40 international offices & more than 350 sales networks all over the world.

# Certificate of Honor



Adopting International Standard Product Marketing Certificate



Guangdong Famous brand Certificate



Pragmatic Patent Certificate



ISO9001:2000

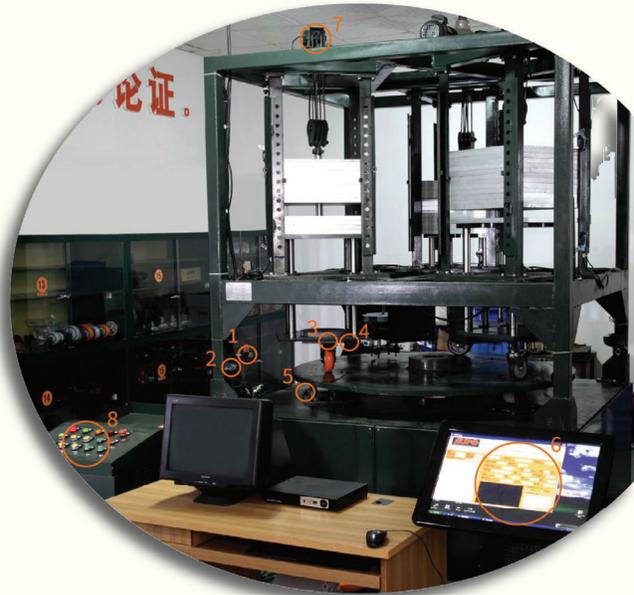




# How do we ensure the quality?

## SUPO ensure 1+8 Test Standard

- Bracket temperature test by infrared ray
- Wheel temperature test by infrared ray
- EN durability Test
- Monitor record the whole process
- Speed monitoring
- Tough screen control system
- Weight loading control by electric
- Console



Based on  
European standard  
And  
ISO9001:2000 certified.

## # Weight Carry Running Test



1  
Wear Resistance test



2  
Vertical Pressure Test



3  
Horizontal pressure test



4  
Braking lifetime test



5.1  
Braking ability test  
(1) Braking on Cement surface  
Wheel tread Damage should less 3mm



5.2  
Braking ability test  
(2) Braking on a slope



6.1  
Anti Ageing Test  
(1) High Temperature test



6.2  
Anti Ageing Test  
(2) Low Temperature test



6.3  
Anti Ageing Test  
(3) Anti-Corrosion ability  
Test for fork



6.4  
Anti Ageing Test  
(4) Salt and Acid Test



7  
Comfort of starting test  
(1) Starting at straight line  
(2) Starting at turns



8  
Quite Test  
(Noise of braking, Noise of fork,  
Noise of wheel)

## IN ORDER TO SELECT THE CASTER THAT BEST FITS YOUR NEEDS, YOU SHOULD CONSIDER THE FOLLOWING:

**LOAD WEIGHT:** The total weight of the load divided by the number of casters supporting the load = Weight per Caster. To ensure casters operate effectively it is important to calculate total potential weight on each caster wheel. The weight distribution and effect of shock, Impact and uneven floors should be taken into account. If right caster not selected it may cause of workers injury when using the equipment. Remember that the greater the load, the larger your caster wheel should be. Generally, larger wheels distribute weight more evenly and roll easily.

**ROLLING ENVIRONMENT:** Is the surface smooth or rough? Are there cracks or tracks to cross over? Are there floor coverings that need to be protected? Is it important that the wheel is quiet? The Flooring surface that a caster will operate on is an important factor when choosing a caster material. Rubber casters are ideal for rough surfaces and on delicate floors, whilst hard casters are best on smooth surfaces such as concrete & soft floors such as carpet. It is not surprising that hard casters and wheels perform better on smooth and soft floors. Similarly soft casters roll better on rough and hard floors. Before you choose a wheel, you should consider all floor features.

**OPERATING ENVIRONMENT:** Will the caster be exposed to chemicals, petroleum, acids, water, and moisture, high or low temperature? Common wheel materials include various rubbers, polyurethane, polyolefin, steel, iron, and phenolic. Textile plants usually prefer casters with thread guards to prevent the collection of annoying threads or strings. Room temperatures never cause problems for casters. However, most industrial select special casters to ensure hassle free caster rolling in extremely high temperatures. If you will be using casters in the presence of corrosive chemicals such as acids, you should always select caster wheels made of steel or polyurethane. Rubber caster wheels are quite common but they cannot be used in corrosive environments.

**EASE OF OPERATION:** Larger diameter wheels roll easier than small diameter. Ball bearings roll easier than roller bearings, but roller bearings carry heavier loads. derlin bearings are an alternative for NSF approved casters. What is the width of wheel?

**SWIVEL/RIGID:** Do you want the caster to swivel or do you want it to remain fixed? Like as an ideal trolley made with 2 swivel & 2 fixed caster wheels.

**FREE/BRAKE/TOTAL LOCK:** Do you need a wheel brake, "brake and steer" or "total lock"? Do you need thread guards?

**HOW DOES IT MOUNT:** Does the caster mount with a plate, a grip-ring stem, threaded stem, or grip-neck stem? What are the dimensions of the plate or Stem (length and diameter)? For plates, what are the dimensions of the bolt holes?

**NOISE AND SPEED RESTRICTIONS:** Noiseless casters can maintain the mobility of your office furniture and equipment without adding to the noise. Remember, 'silent' office casters can help your employees stay focused on the task and help them become more productive.

## 01 SERIES (LIGHT DUTY) Wheel Width 13-22mm

PRODUCT	MODEL	TYPE	WHEEL MATERIAL	SIZE	CAPACITY (PER PCS)	FRAME PLATE SIZE (mm)	Remarks
	414	MOVING SIDE LOCK BRAKE	TPR	1"	12 Kg	(A) 30×24, (B) 34×28, (C) 38×33, (D) 4.3	<ul style="list-style-type: none"> <li>* Used in light duty applications.</li> <li>* Logical choice for a clean environment.</li> <li>* TPR wheel operating temperature range of -40 to +180 degrees Fahrenheit. Also feature a shock-absorbing cushioned ride, while providing excellent floor protection and quiet rolling operation. Resistant to cleaning chemicals, acids, alcohol, and water, TPR wheels are an excellent choice for wash-down applications.</li> <li>* Proven in wet and corrosive conditions.</li> </ul>
				1.1/2"	25 Kg	(A) 36×28, (B) 41×33, (C) 46×38, (D) 5.3	
				2"	40 Kg	(A) 46×35, (B) 52×41, (C) 59×47, (D) 6.5	
				3"	45 Kg	(A) 55×42, (B) 63×50, (C) 70×58, (D) 8.5	
	414	MOVING SIDE LOCK BRAKE	TPR	2"	40 Kg	Thread Size (mm) M 12×25	
				3"	45 Kg	M 12×35	
	124	MOVING SIDE LOCK BRAKE	PA	2"	40 Kg	(A) 46×35, (B) 52×41, (C) 59×47, (D) 6.5	<ul style="list-style-type: none"> <li>* Suitable for normal floor &amp; will not Mark Floors.</li> <li>* Used in light to medium duty applications.</li> <li>* Low Roll Resistance, improving ease of maneuverability.</li> <li>* Abrasion resistant, resistant to oil and many chemicals.</li> <li>* Resistance to Wear, Tear &amp; Impact.</li> </ul>
	124	MOVING SIDE LOCK BRAKE	PA	2"	40 Kg	Thread Size (mm) M 12×25	
	614	MOVING SIDE LOCK BRAKE	PA	1"	12 Kg	(A) 30×24, (B) 34×28, (C) 38×33, (D) 4.3	
				1.1/2"	25 Kg	(A) 36×28, (B) 41×33, (C) 46×38, (D) 5.3	
				2"	40 Kg	(A) 46×35, (B) 52×41, (C) 59×47, (D) 6.5	
	614	MOVING SIDE LOCK BRAKE	PA	2"	40 Kg	Thread Size (mm) M 12×35	

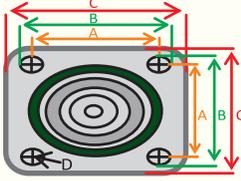
## 03 SERIES (MEDIUM LIGHT DUTY) Wheel Width 32mm

PRODUCT	MODEL	TYPE	WHEEL MATERIAL	SIZE	CAPACITY (PER PCS)	FRAME PLATE SIZE (mm)	Remarks
	122	MOVING	PP	3"	122 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	<ul style="list-style-type: none"> <li>* It is strongest &amp; Commendable durability.</li> <li>* Light weight &amp; high impact strength.</li> <li>* Resists to water and chemical absorption.</li> <li>* Non-marking tread &amp; floor protection.</li> </ul>
		FIXED SIDE LOCK BRAKE		4"	140 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	
	633 Heat Proof	MOVING	260°C (Degree C) Hi-temp Nylon	3"	73 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	<ul style="list-style-type: none"> <li>* Especially ideal for food production, bakeries, ovens, kilns, pharmaceutical and healthcare where equipment is used or often sterilized by high temperature.</li> </ul>
		FIXED SIDE LOCK BRAKE		4"	105 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	
	511	MOVING	ER	2"	40 Kg	(A) 52×35, (B) 63×43, (C) 70×51, (D) 8.5	<ul style="list-style-type: none"> <li>* Noise free, Suitable for both Outdoor &amp; Indoor use.</li> <li>* Excellent Floor Protection.</li> <li>* Excellent Grip &amp; Traction.</li> <li>* Ideal for Uneven &amp; Rough Ground.</li> </ul>
		FIXED		2.1/2"	65 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	
		TOTAL LOCK BRAKE		3"	83 Kg	(A) 74×45, (B) 86×54, (C) 95×67, (D) 8.5	

## 05 SERIES (MEDIUM HEAVY DUTY) Wheel Width 38mm

PRODUCT	MODEL	TYPE	WHEEL MATERIAL	SIZE	CAPACITY (PER PCS)	FRAME PLATE SIZE (mm)	Remarks
	512	MOVING	ER	3"	85 Kg	(A) 75×55, (B) 90×70, (C) 101×82 (D) 11	<ul style="list-style-type: none"> <li>* Noise free, Suitable for both Outdoor &amp; Indoor use.</li> <li>* Excellent Floor Protection.</li> <li>* Excellent Grip &amp; Traction.</li> <li>* Ideal for Uneven &amp; Rough Ground.</li> </ul>
		FIXED		4"	130 Kg	(A) 75×55, (B) 90×70, (C) 101×82 (D) 11	
		TOTAL LOCK BRAKE		5"	152 Kg	(A) 81×68, (B) 102×86, (C) 115×100, (D) 11	
				6"	170 Kg	(A) 81×68, (B) 102×86, (C) 115×100, (D) 11	

## 07 SERIES (HEAVY DUTY) Wheel Width 45mm

PRODUCT	MODEL	TYPE	WHEEL MATERIAL	SIZE	CAPACITY (PER PCS)	FRAME PLATE SIZE (mm)	Remarks
	122	MOVING	PP	4"	280 Kg	(A) 84×70, (B) 102×86, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Specially designed for Textile, Spinning industries etc.</li> <li>* It is strongest &amp; Commendable durability.</li> <li>* Light weight &amp; high impact strength.</li> <li>* Resists to water and chemical absorption.</li> <li>* Even stands up to repeated steam cleaning.</li> <li>* Non-marking tread &amp; floor protection.</li> </ul>
		FIXED		5"	340 Kg		
		SIDE LOCK BRAKE		6"	400 Kg		
				8"	440 Kg		
	252	MOVING	PU	4"	235 Kg		<ul style="list-style-type: none"> <li>* Suitable for garments industries in light duty to extra heavy duty.</li> <li>* Superior load bearing &amp; durable.</li> <li>* Floor Protection &amp; Non-Marking Materials &amp; Noise reduction.</li> <li>* High abrasion resistance, High cut, tear &amp; Oil resistance, Ozone resistance &amp; Radiation resistance.</li> <li>* Low pressure tooling.</li> <li>* Protect dedicated floors.</li> </ul>
		FIXED		5"	295 Kg		
		TOTAL LOCK BRAKE		6"	350 Kg		
				8"	370 Kg		
	362	MOVING	PU	5"	330 Kg	(A) 84×70, (B) 102×86, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Suitable for extra heavy duty like as Dyeing industry.</li> <li>* Superior load bearing &amp; durable.</li> <li>* Floor Protection &amp; Non-Marking Materials &amp; Noise reduction.</li> <li>* Low pressure tooling.</li> <li>* Wheel With 50mm.</li> </ul>
		FIXED		6"	360 Kg		
		TOTAL LOCK BRAKE		8"	430 Kg		
	282	MOVING	IRON CORE (PU)	4"	290 Kg	(A) 84×70, (B) 102×86, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Suitable for extra heavy duty like as Dyeing industry.</li> <li>* Superior load bearing &amp; durable.</li> <li>* Floor Protection &amp; Non-Marking Materials &amp; Noise reduction.</li> <li>* Low pressure tooling.</li> <li>* Wheel With 50mm.</li> </ul>
		FIXED		5"	385 Kg		
		TOTAL LOCK BRAKE		6"	440 Kg		
				8"	505 Kg		
	512	MOVING	ER	4"	175 Kg	(A) 84×70, (B) 102×86, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Noise free, Suitable for both Outdoor &amp; Indoor use.</li> <li>* Excellent Floor Protection.</li> <li>* Excellent Grip &amp; Traction.</li> <li>* Ideal for Uneven &amp; Rough Ground.</li> </ul>
		FIXED		5"	220 Kg		
		TOTAL LOCK BRAKE		6"	285 Kg		
				8"	318 Kg		

## 17 SERIES (SUPER HEAVY DUTY)

PRODUCT	MODEL	TYPE	WHEEL MATERIAL	SIZE	CAPACITY (PER PCS)	FRAME PLATE SIZE (mm)	Remarks
	612	MOVING	NYLON	6"	850 Kg	(A) 80×76, (B) 90×64, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Suitable for Super Heavy duty like as Dyeing industry or out door.</li> <li>* Suitable for concrete floor &amp; Non-Marking Materials</li> <li>* Exceptionally strong. Abrasion, oil and many chemicals resistant.</li> <li>* Wheel Width 45mm</li> </ul>
		FIXED		8"	1000 Kg	(A) 110×75, (B) 123×84, (C) 140×110, (D) 13	
	662	MOVING	NYLON	6"	750 Kg	(A) 80×76, (B) 90×64, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Suitable for normal floor &amp; will not Mark Floors</li> <li>* Used in Super Heavy duty applications.</li> <li>* Low Roll Resistance, improving ease of maneuverability</li> <li>* Abrasion resistant, resistant to oil and many chemicals.</li> <li>* Resistance to Wear, Tear &amp; Impact</li> <li>* Wheel Width 50mm</li> </ul>
		FIXED		8"	900 Kg	(A) 110×75, (B) 123×84, (C) 140×110, (D) 13	
	282	MOVING	IRON CORE PU	5"	700 Kg	(A) 85×70, (B) 101×86, (C) 115×100, (D) 11	<ul style="list-style-type: none"> <li>* Suitable for Super Heavy duty like as Dyeing industry or out door.</li> <li>* Superior load bearing &amp; durable</li> <li>* Floor Protection &amp; Non-Marking Materials &amp; Noise reduction.</li> <li>* Low pressure tooling.</li> <li>* Wheel Width 50mm</li> </ul>
		FIXED		6"	850 Kg		
		TOTAL LOCK BRAKE		8"	1000 Kg		
				10"	1500 Kg		