



I am willing to abide by all the rules and regulations of Zhuoye manganese steel casters, **prioritize safety production** above all else, and never produce **unqualified products** that enter the market. **Made of manganese steel, it is more labor-saving**, quality creates a brand, and contributes to **Chinese national brands!** Strive to achieve the Chinese Dream of Zhuoye manganese steel casters and **change the world's perception of Chinese wheels!**

Quanzhou Zhuoye Manganese Steel Caster Manufacturing Co., Ltd

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Zhuoye Casters
Tiktok Account



Zhuoye Caster
official account

The product parameters can be changed without notice!



Zhuoye Manganese Steel Caster

Manganese Steel Built, Effortless Moving

PROFESSIONAL MANUFACTURER OF AGV CASTERS

Andy Lau
Assist Zhuoye manganese steel casters



Zhuoye manganese steel casters are **labor-saving and durable**, as anyone who has used them knows!





Company profile

"Manganese steel, more effort" quality to create a brand.

Quanzhou Zhuo Ye Caster Manufacturing Co., Ltd., founded in 2008, is located in the East Asian cultural capital ---- Quanzhou, is aSet research and development, manufacturing, sales, service in one of the professional manufacturers of manganese steel casters, adjusting feet, trolley.

Zhuo Ye Company has established a sound quality management system since its inception, and has successfully passed the ISO9001 quality management bodyDepartment certification, has obtained a number of invention patents, has been provincial high-tech, national high-tech enterprises, weapons and equipment quality management bodyDepartment certification and other honorary certificates.

Zhuo Ye Company uses manganese steel to manufacture castors, and is the pioneer of manganese steel castors. Manganese steel castors have strong strength, high wear resistance, Characteristics such as large load. The company has automatic production equipment and product assembly line, specially set up a laboratory, equipped with a variety of feetRound detection equipment, a large amount of manpower, material resources research and development of new products.

Zhuo Ye company keep in mind the enterprise mission of "making handling more labor-saving, making enterprises more efficient", adhering to the "one center, four basesThis point "business philosophy, adhere to the" quality win "development strategy, follow the" sincere cooperation, the pursuit of quality, the courage to createNew, enthusiastic service, unity and cooperation, hard work and enterprising "values, and constantly establish and improve the company's management system, accumulateExtra-build the brand image and brand value of the enterprise, in order to "realize the Chinese dream of Zhuo Ye manganese steel casters, change the world's view of Chinese castersLaw "this dream and work hard. Zhuo Ye is willing to cooperate sincerely with friends from all walks of life at home and abroad, and will continue to provide customers with superb productsOur products and excellent service. Zhuo Ye and you go hand in hand to create brilliant!

Honorary Patent Certificate:

High tech enterprises certificate of quality system



More than 100 national patents have been applied for and approved



Thank you for the trust of our partners:



Company development history

- 2008** The predecessor of Zhuoye Manganese Steel Casters, Quanzhou Zhuoyue Caster Company, was established.
- 2013** Zhuoye launched new adjustable feet products and led the industry trend.
- 2016** Zhuoye manganese steel caster products were grandly launched, making the brand a pioneer in the manganese steel caster industry.
- 2017** Zhuoye Manganese Steel Casters was promoted on CCTV (China Central Television).
- 2018** Zhuoye Manganese Steel Casters filed for registration at Fujian Strait Trading Center, and received high attention and exclusive interviews from Quanzhou Municipal Government and Quanzhou TV Station.
- 2019** Obtained certifications as Provincial High-tech Enterprise and National High-tech Enterprise.
- 2022** Successfully listed on the Strait Equity Exchange Center and became a reserve enterprise for listed companies.
- 2023** Cooperated with Andy Lau to endorse manganese steel casters.
- 2025** Developed the Zhuoye manganese steel labor-saving trolley, making cargo transportation more labor-saving and efficient.



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Zhuoye Manganese Steel Caster

Manganese Steel Built, Effortless Moving

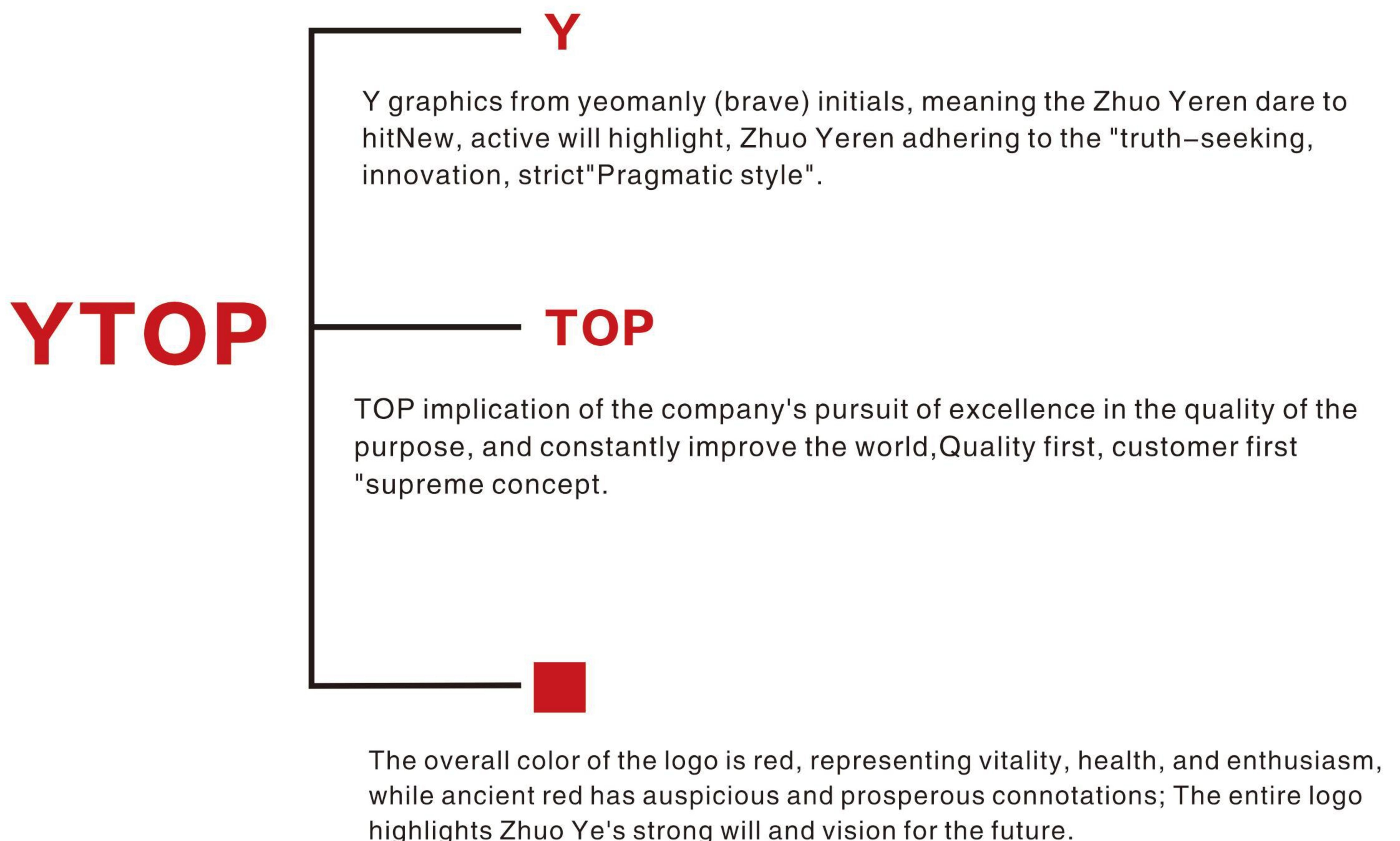




Interpretation of LOGO

1. The logo graphics are mainly based on character images, strong and determined, with perseverance, symbolizing Zhuo Ye's vision of accumulating knowledge and pursuing excellence, becoming a benchmark in the casters industry.
2. The character image center is the core caster product of the company, symbolizing that the company is fully committed to maintaining the quality of each product.

Analysis of LOGO



AGV

PROFESSIONAL CASTERS OF AUTOMATIC GUIDED TRANSPORT VEHICLE

With light steering, it reduces energy consumption and extends the robot's battery life; With a large load capacity and excellent shock resistance, it protects the robot's components from damage; It also enables high-speed operation to ensure the robot's working efficiency.



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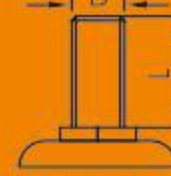
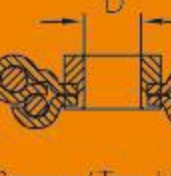
25 AGV extra heavy duty PU single wheel 8

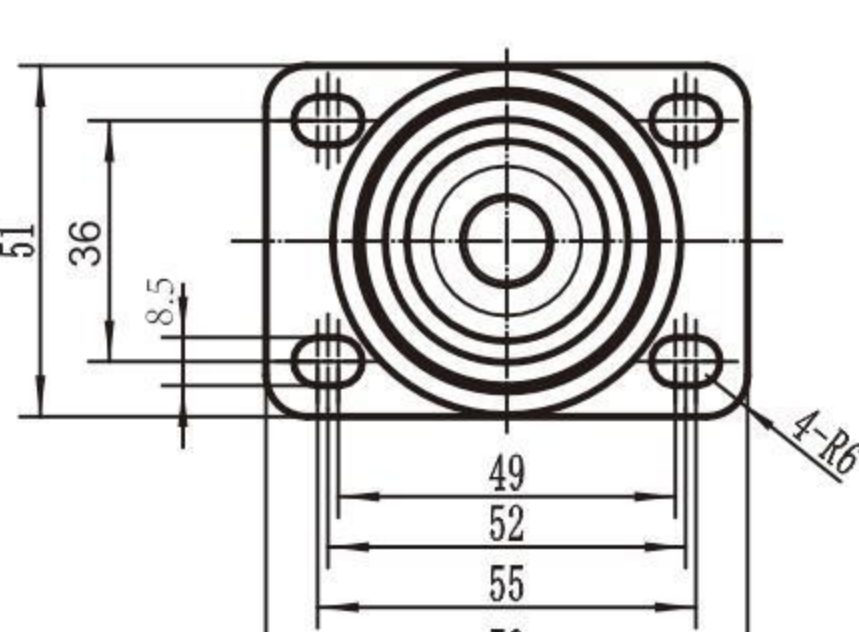
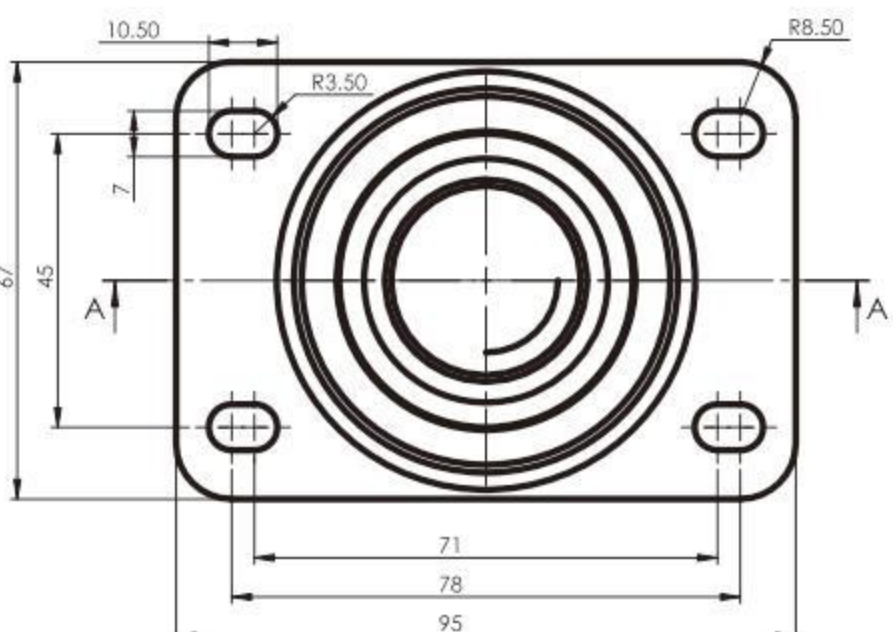
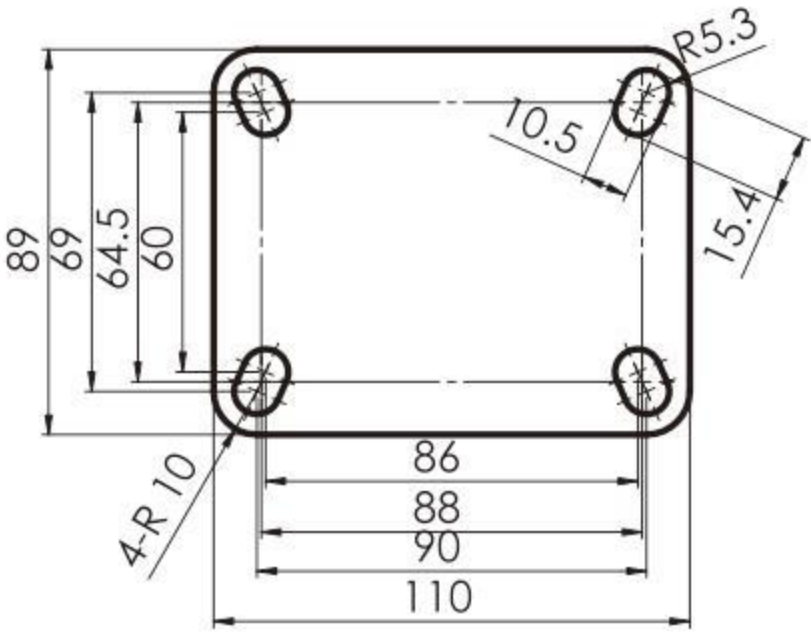
26 AGV Super Super Heavy duty PU double wheel 9

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Drive wheel rubber PU diversified wheel surface 11

18 Medium AGV high-speed traveling rubber assisted single wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Mounting Height (mm)			 Screw Specification (mm)	 Screw (Top Hole) Specification (mm)	 Swivel Radius (mm)		 Wheel Material		
2"AGV flat rubber movable wheel	19AGV-50H-32P-BR	50	26	73.7	/	/			48	/	Rubber (BR)		
2.5"rubber single wheel	18AGV-63H-32P-BR	63(2½)	32	69.25	/	/			58				
3"rubber single wheel	18AGV-75H-32P-BR	75		105.75	/	/			58				
4"rubber single wheel	18AGV-100H-32P-BR	100		130	/	/			70.5				
5"rubber single wheel	18AGV-125H-32P-BR	125		155	/	/			83				
2"AGV top hole rubber movable wheel	19AGV-50H-32D-BR	50	26	/	64.7	/	/	Ø8	48	/		Rubber (BR)	
2.5"AGV top hole rubber movable wheel	18AGV-63H-32D-BR	63(2½)	32	/	60.25	/	/	Ø12.5	58				
3"AGV top hole rubber movable wheel	18AGV-75H-32D-BR	75		/	96.75	/			58				
4"AGV top hole rubber movable wheel	18AGV-100H-32D-BR	100		/	121	/			70.5				
5"AGV top hole rubber movable wheel	18AGV-125H-32D-BR	125		/	146	/			83				
2"AGV screw rubber movable wheel	19AGV-50H-32S-BR	50	26	/	/	72.7	M10 × 25	/	48	/			Rubber (BR)
2.5"AGV screw rubber movable wheel	18AGV-63H-32S-BR	63(2½)	32	/	/	68.25	M12 × 25		58				
3"AGV screw rubber movable wheel	18AGV-75H-32S-BR	75		/	/	104.75			58				
4"AGV screw rubber movable wheel	18AGV-100H-32S-BR	100		/	/	129			70.5				
5"AGV screw rubber movable wheel	18AGV-125H-32S-BR	125		/	/	154			83				



The square plate hole spacing and swivel radius are customizable per customer specifications.

2-inch mounting dimensions



AGV Precision Caster Load vs. Maximum Speed Relationship Table

km/h

Model	Load (kg)	50kg Load / Max Speed	60kg Load / Max Speed	70kg Load / Max Speed	80kg Load / Max Speed	90kg Load / Max Speed	100kg Load / Max Speed
AGV- 18- 50H- 26- BR	8	6	6				
AGV- 18- 63H- 32- BR	8	8	6	4			
AGV- 18- 75H- 32- BR	8	8	6	6	6	6	4
AGV- 18- 100H- 32- BR	8	8	8	8	8	6	
AGV- 18- 120H- 32- BR	8	8	8	8	8	6	

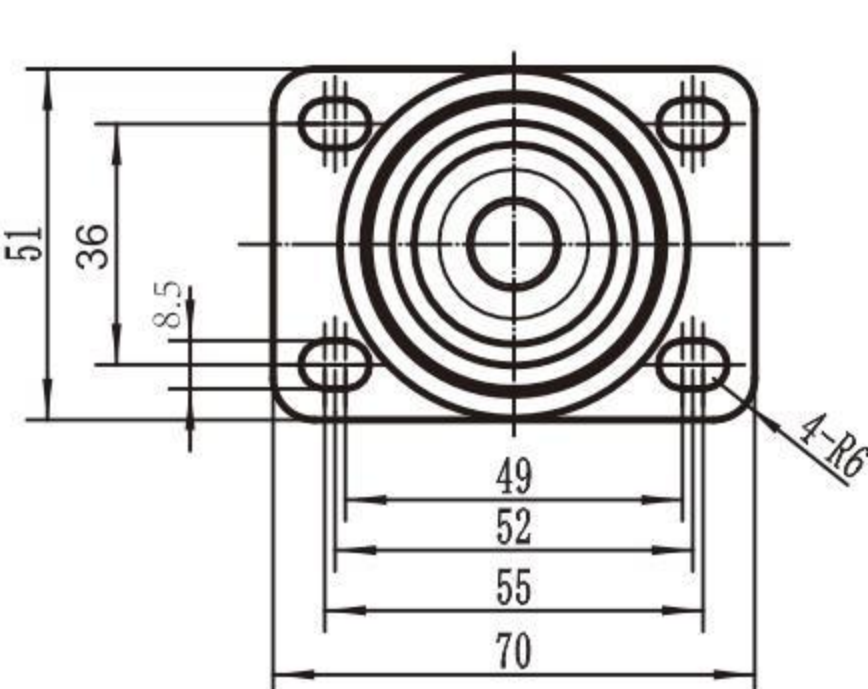
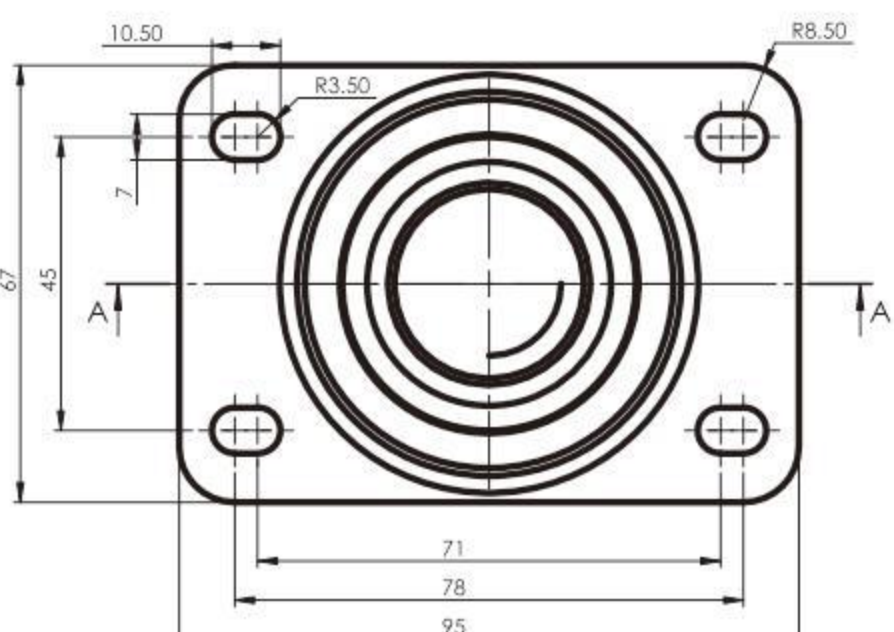
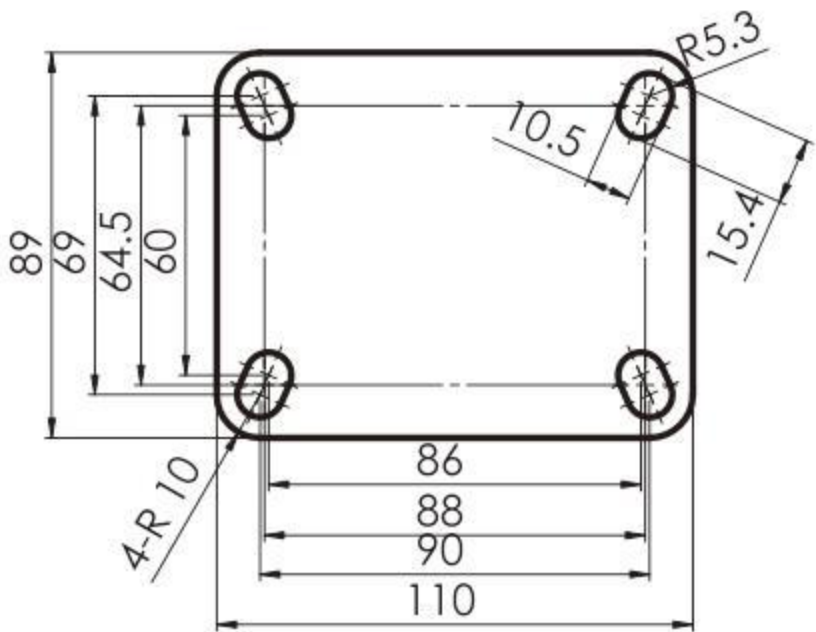
Product Description

1. The single wheel is made of high-elastic natural rubber with a nylon (PA6) inner core, offering excellent wear resistance, shock absorption, and low noise performance.
2. The bracket is made of high-quality steel plate. The upper and lower raceways of the swivel race use high-quality bearing steel with heat treatment, making the bracket rotation more wear-resistant, flexible, and extending its service life.
3. The grease for the caster swivel race and bearings uses molybdenum disulfide lithium-based grease, featuring excellent extreme pressure anti-wear performance, low friction coefficient, and high load-bearing capacity; it also has good metal surface adhesion and rust resistance, a wide operating temperature range, outstanding water wash resistance and corrosion resistance, good oxidation resistance, and an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach Level 8. By comparison, traditional casters with electrophoretic coating only reach Level 2, and those with traditional galvanized surface treatment reach Level 1.

Patented Product,
Infringement Will Be Prosecuted.

18 Medium AGV high-speed walking rubber assisted double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Mounting Height (mm)					Wheel Material
2"AGV flat rubber movable double wheel	19AGV-50H-32P-BR	50	2 * 2 6	73.7			48	/	Rubber (BR)
2.5"AGV flat rubber movable double wheel	18AGV-63H-32P-2BR	63(2 $\frac{1}{2}$)	2 * 3 2	69.25			58		
3"AGV flat rubber movable double wheel	18AGV-75H-32P-2BR	75		105.75			58		
4"AGV flat rubber movable double wheel	18AGV-100H-32P-2BR	100		130			70.5		
5"AGV flat rubber movable double wheel	18AGV-125H-32P-2BR	125		155			83		
2"AGV top hole rubber movable double wheel	19AGV-50H-32D-BR	50	2 * 2 6		64.7		Ø 8	48	
2.5"AGV top hole rubber movable double wheel	18AGV-63H-32D-2BR	63(2 $\frac{1}{2}$)	2 * 3 2		60.25		Ø12.0	58	
3"AGV top hole rubber movable double wheel	18AGV-75H-32D-2BR	75			96.75			58	
4"AGV top hole rubber movable double wheel	18AGV-100H-32D-2BR	100			121			70.5	
5"AGV top hole rubber movable double wheel	18AGV-125H-32D-2BR	125			146			83	
2"AGV screw rubber movable double wheel	19AGV-50H-32S-BR	50	2 * 2 6			72.7	M10 × 25	48	
2.5"AGV screw rubber movable double wheel	18AGV-63H-32S-2BR	63(2 $\frac{1}{2}$)	2 * 3 2			68.25	M12 × 25	58	
3"AGV screw rubber movable double wheel	18AGV-75H-32S-2BR	75				104.75		58	
4"AGV screw rubber movable double wheel	18AGV-100H-32S-2BR	100				129		70.5	
5"AGV screw rubber movable double wheel	18AGV-125H-32S-2BR	125				154		83	



The square plate hole spacing and swivel radius are customizable per customer specifications.

2-inch mounting dimensions



AGV Precision Caster Load vs. Maximum Speed Relationship Table						km/h
Model	70kg Load / Max Speed	90kg Load / Max Speed	100kg Load / Max Speed	110kg Load / Max Speed	120kg Load / Max Speed	130kg Load / Max Speed
AGV-18-50H-26-BR	8	6	6			
AGV-18-63H-32-BR	8	8	6	4		
AGV-18-75H-32-BR	8	8	6	6	6	6
AGV-18-100H-32-BR	8	8	8	8	8	6
AGV-18-120H-32-BR	8	8	8	8	8	6

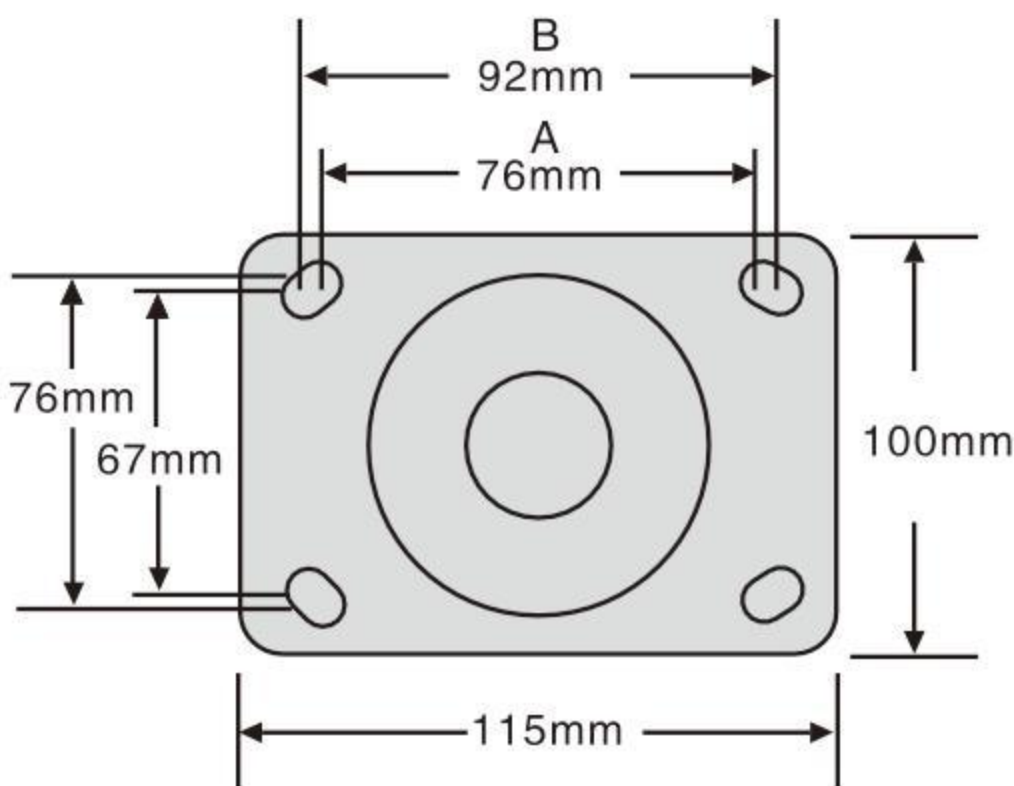
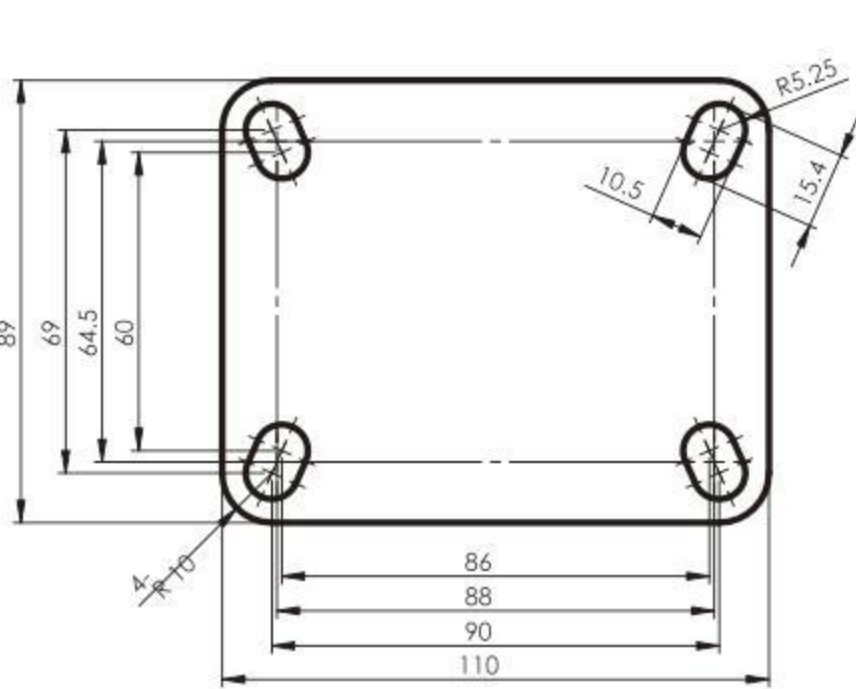
Product Description

1. The single wheel is made of high-elastic natural rubber with a nylon (PA6) core, offering excellent performance in wear resistance, shock absorption, and ultra-quiet operation.
2. The bracket is made of high-quality steel plate. The upper and lower races of the swivel raceway use heat-treated high-quality bearing steel bearings, making the bracket rotation more wear-resistant, more flexible, and extending its service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features excellent extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; good metal surface adhesion and rust resistance, with a wide operating temperature range; excellent water washout resistance, corrosion resistance, and oxidation resistance, resulting in an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with plastic-sprayed surface treatment can reach **Level 8**. In comparison, traditional casters with electrophoretic surface treatment reach **Level 2**, and those with traditional galvanized surface treatment only reach **Level 1**.

Patented Product,
Infringement Will Be Prosecuted.

23 AGV heavy shock absorption single wheel/double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)				 Wheel Material
2" Heavy duty shock absorption PU single wheel	AGV-J23-50H-50-PU	50	50	200	78	 Dual ball race	65	/	/	/	Iron core (PU)
2.5" Heavy duty shock absorption PU single wheel	AGV-J23-63H-50-PU	63	50	300	104		78				
3" Heavy duty shock absorption PU single wheel	AGV-J23-75H-50-PU	75	50	350	110		78				
2" Heavy duty shock absorption PU double wheel	AGV-J23-50H-50-2PU	50	2 * 24	200	78	 Four-point ball race	65	/	/	/	
2.5" Heavy duty shock absorption PU double wheel	AGV-J23-63H-50-2PU	63	2 * 24	300	104		78				
3" Heavy duty shock absorption PU double wheel	AGV-J23-75H-50-2PU	75	2 * 24	350	110		78				
2" Heavy duty shock absorption PU single wheel	AGV-23-50H-50-PU	50	50	200	78	 Dual ball race	55	/	/	/	
2.5" Heavy duty shock absorption PU single wheel	AGV-23-63H-50-PU	63	50	300	93		59				
3" Heavy duty shock absorption PU single wheel	AGV-23-75H-50-PU	75	50	350	105		65				
2" Heavy duty shock absorption PU double wheel	AGV-23-50H-50-2PU	50	2 * 24	200	78	 Four-point ball race	55	/	/	/	
2.5" Heavy duty shock absorption PU double wheel	AGV-23-63H-50-2PU	63	2 * 24	300	93		59				
3" Heavy duty shock absorption PU double wheel	AGV-23-75H-50-2PU	75	2 * 24	350	105		65				



- Plate Thickness: 5.5mm
- Mounting Size: (A) 76×76 / (B) 92×67
- Hole Dia: 11.2mm



The square plate hole spacing and swivel radius are customizable per customer specifications.

Shock-absorbing single caster Swivel dual-wheel caster

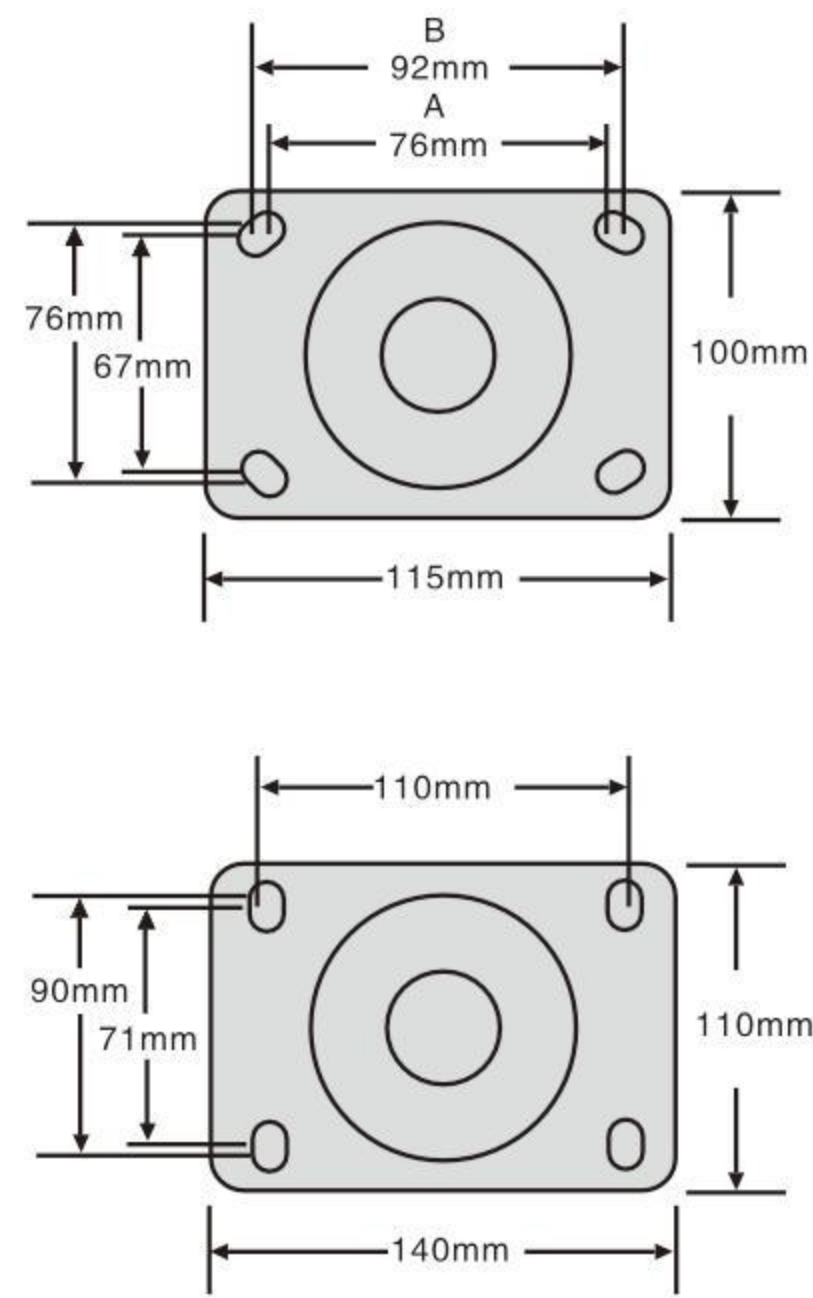
Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of high-strength PU material with an iron core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

22 Heavy-duty AGV aluminum core rubber single-wheel/double-wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)			 Wheel Material
4 " aluminum core rubber single wheel	AGV-22L-100H-48-BR	100	48	370	146	 Dual ball race (6203)	102	/	/	Rubber (BR) DIN Abrasion Coefficient 130mm ³
5 " aluminum core rubber single wheel	AGV-22L-125H-48-BR	125		470	167		109			
6 " aluminum core rubber single wheel	AGV-22L-150H-48-BR	150		600	193		123			
8 " aluminum-core rubber single wheel	AGV-22L-200H-48-BR	200		610	243		168			
4 " aluminum-core rubber double wheels	AGV-22L-100H-48S-BR	100	2*48	470	138	 Dual ball race (4*6203)	95	/	/	Rubber (BR) DIN Abrasion Coefficient 130mm ³
5 " aluminum-core rubber twin wheels	AGV-22L-125H-48S-BR	125		570	167		112.5			
6 " aluminum-core rubber twin wheels	AGV-22L-150H-48S-BR	150		800	186		127			
8 " aluminum-core rubber double wheels	AGV-22L-200H-48S-BR	200		810	242		150			



- Plate Thickness: 5.5mm
- Mounting Size: (A) 76×76 / (B) 92×67
- Hole Dia: 11.2mm

- Plate Thickness: 5.5mm
- Mounting Size: (A) 110×90 / (B) 110×71
- Hole Dia.: 12.5mm



The square plate hole spacing and swivel radius are customizable per customer specifications.

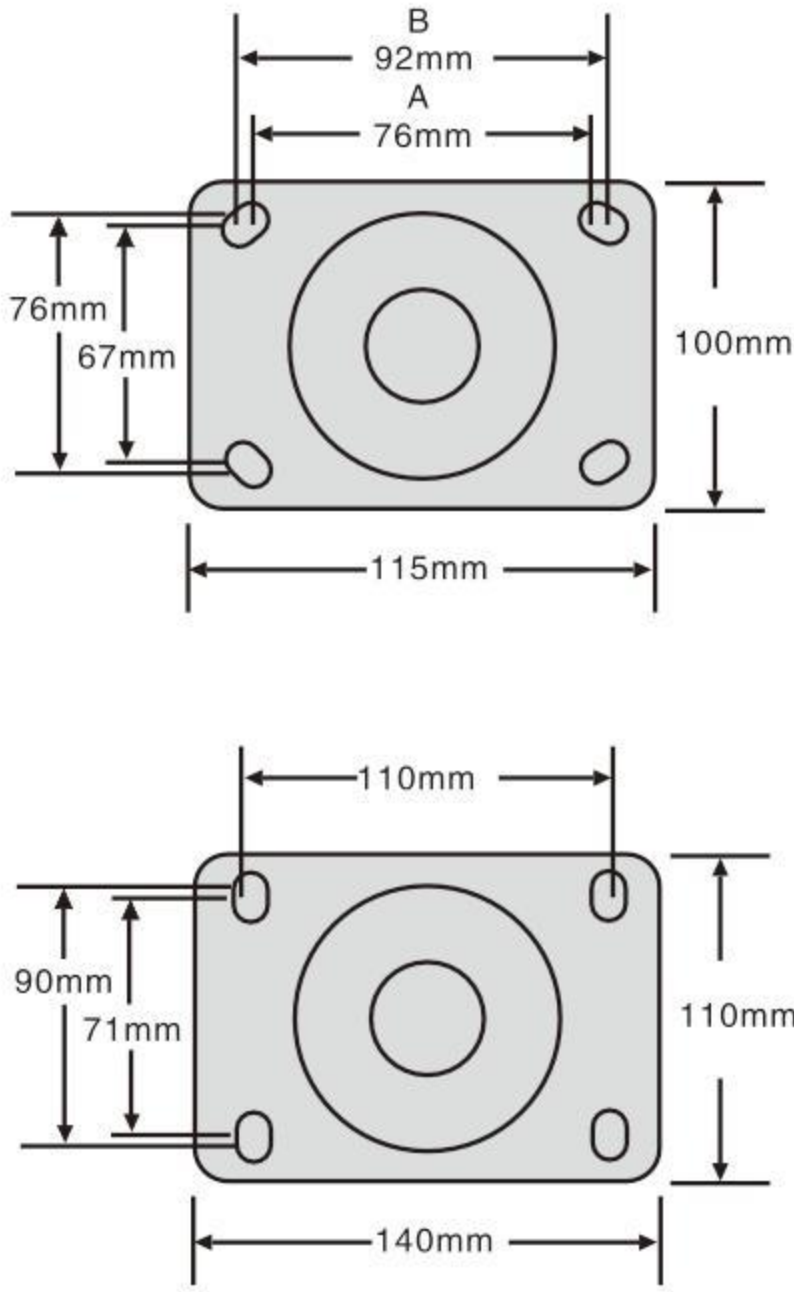
Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of high-elastic natural rubber with an aluminum core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

22 Heavy duty AGV curved aluminum core single/double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)			 Wheel Material
4 " Curved Aluminum Core PU Single Wheel	AGV-22F-100H-48-PU	100	48	370	146	 Dual ball race (6203)	102	/	/	Aluminum core (PU) DIN Abrasion Coefficient 130mm ³
5 " Curved Aluminum Core PU Single Wheel	AGV-22F-125H-48-PU	125		470	167		109			
6 " Curved Aluminum Core PU Single Wheel	AGV-22F-150H-48-PU	150		600	193		123			
8 " Curved surface aluminum core PU single wheel	AGV-22F-200H-48-PU	200		610	243		168			
4 " Curved surface aluminum core PU double wheel	AGV-22F-100H-48S-PU	100	2*48	470	138	 Dual ball race (4*6203)	95	/	/	Aluminum core (PU) DIN Abrasion Coefficient 130mm ³
5 " Curved surface aluminum core PU double wheel	AGV-22F-125H-48S-PU	125		570	167		112.5			
6 " Curved surface aluminum core PU double wheel	AGV-22F-150H-48S-PU	150		800	186		127			
8 " Curved surface aluminum core PU double wheel	AGV-22F-200H-48S-PU	200		810	242		150			



- Plate Thickness: 5.5mm
- Mounting Size: (A) 76×76 / (B) 92×67
- Hole Dia: 11.2mm

- Plate Thickness: 5.5mm
- Mounting Size: (A) 110×90 / (B) 110×71
- Hole Dia.: 12.5mm



The square plate hole spacing and swivel radius are customizable per customer specifications.

Product Description

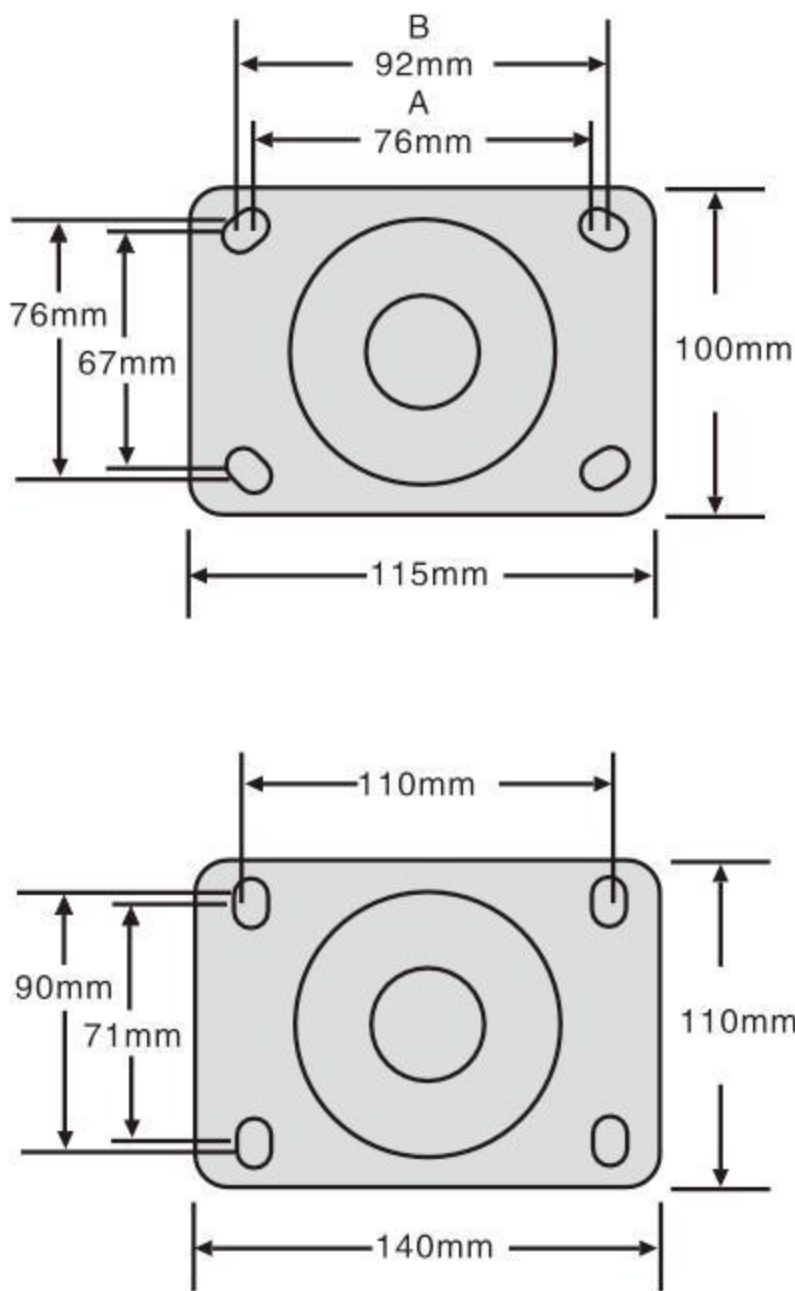
Patented Product, Infringement Will Be Prosecuted.

1. The single wheel is made of high-resilience PU material with an aluminum core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

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Heavy AGV flat core single wheel/double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)			 Wheel Material
4"Flat core PU single wheel	AGV-22G-100H-48-PU	100	48	370	146	 Dual ball race (6203)	102 Dual brake 155	/	/	Iron core (PU) DIN Abrasion Coefficient 130mm ³
5"Flat core PU single wheel	AGV-22G-125H-48-PU	125		470	167		109 Dual brake 155			
6"Flat core PU single wheel	AGV-22G-150H-48-PU	150		600	193		123 Dual brake 155			
8"Flat core PU single wheel	AGV-22G-200H-48-PU	200		610	243		168 Dual brake 182			
4"Flat core PU double wheel	AGV-22G-100H-48S-PU	100	2*48		138	 Dual ball race (4*6203)	45	/	/	Iron core (PU) DIN Abrasion Coefficient 130mm ³
5"Flat core PU double wheel	AGV-22G-125H-48S-PU	125			167		50			
6"Flat core PU double wheel	AGV-22G-150H-48S-PU	150			186		52			
8"Flat core PU double wheel	AGV-22G-200H-48S-PU	200			242		50			



- Plate Thickness: 5.5mm
- Mounting Size: (A) 76×76 / (B) 92×67
- Hole Dia: 11.2mm

- Plate Thickness: 5.5mm
- Mounting Size: (A) 110×90 / (B) 110×71
- Hole Dia.: 12.5mm



The square plate hole spacing and swivel radius are customizable per customer specifications.

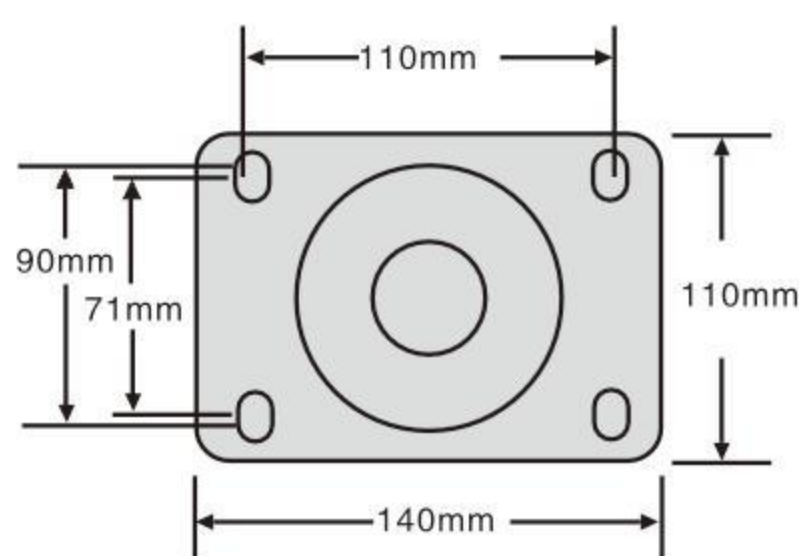
Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel adopts high-resilience PU material with an iron core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism uses both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

22 AGV super heavy duty PU single wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)			 Wheel Material
4"PU single wheel	AGV-Z-100H-50-PU	100	50	700	155	 Dual ball race (6204)	81	/	/	Iron core (PU) DIN Abrasion Coefficient 130mm ³
5"PU single wheel	AGV-Z-125H-50-PU	125		800	180		104			
6"PU single wheel	AGV-Z-150H-50-PU	150		850	200		124			
8"PU single wheel	AGV-Z-200H-50-PU	200		1000	250		150			
4"PU double wheel	AGV-Z-100H-50S-PU	100	2*50	700	155	 Dual ball race (6204)	81	/	/	Iron core (PU) DIN Abrasion Coefficient 130mm ³
5"PU double wheel	AGV-Z-125H-50S-PU	125		800	180		104			
6"PU double wheel	AGV-Z-150H-50S-PU	150		850	200		124			
8"PU double wheel	AGV-Z-200H-50S-PU	200		1000	250		150			



- Plate Thickness: 5.5mm
- Mounting Size: (A) 110×90 / (B) 110×71
- Hole Dia: 12.5mm

The square plate hole spacing and swivel radius are customizable per customer specifications.



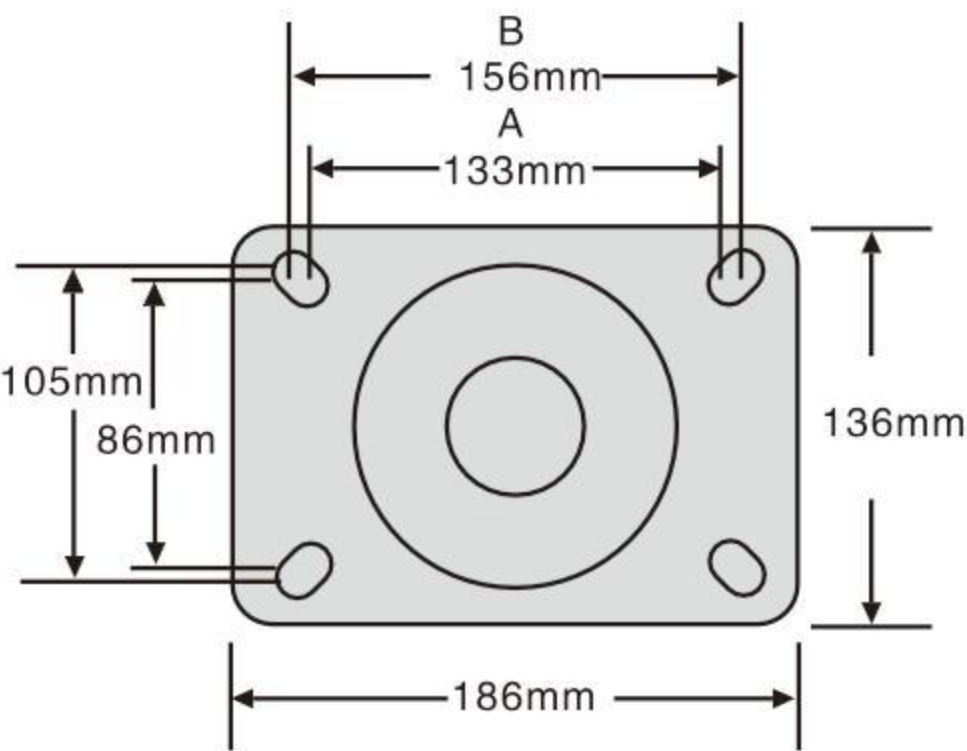
Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of high-resilience PU material with an iron core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

25 AGV extra heavy duty PU single wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)	 Mounting Size (mm)	 Hole Dia (mm)	 Wheel Material
6"PU single wheel	AGV-25-150H-75-PU	150	75	1200	217	 Dual ball race (6205)	120	(A)86 × 133 (B)105 × 156	(D)14.2	Iron core (PU) DIN Abrasion Coefficient 130mm ³
8"PU single wheel	AGV-25-200H-75-PU	200		2000	260		160			
10"PU single wheel	AGV-25-250H-75-PU	250		2200	310		200			
12"PU single wheel	AGV-25-300H-75-PU	300		2500	355		240			



- Plate Thickness: 10mm
- Hole Dia: 14.2mm

The square plate hole spacing and swivel radius are customizable per customer specifications.



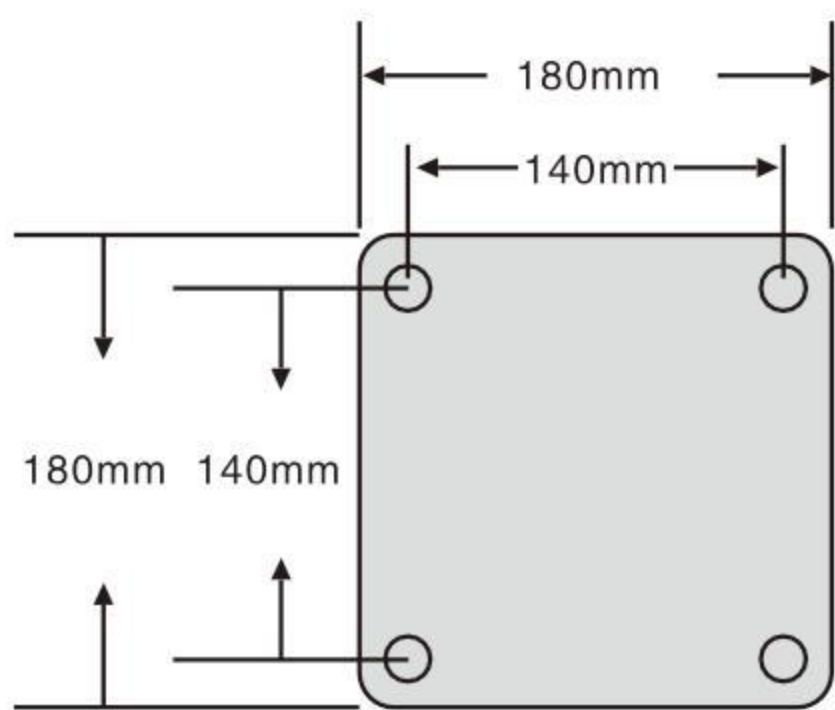
Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of high-resilience PU material with an iron core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

26 AGV Super Super Heavy duty PU double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)	 Mounting Size (mm)	 Hole Dia (mm)	 Wheel Material
6"PU double wheel	AGV-26-150H-75S-PU	150	2*75	1200	217	 Dual ball race (6205)	120	140*140	D17	Iron core (PU) DIN Abrasion Coefficient 130mm ³
8"PU double wheel	AGV-26-200H-75S-PU	200		2000	260		160			
10"PU double wheel	AGV-26-250H-75S-PU	250		2200	310		200			
12"PU double wheel	AGV-26-300H-75S-PU	300		2500	355		240			



- Plate Thickness: 20mm
- Hole Dia: 17mm

The square plate hole spacing and swivel radius are customizable per customer specifications.



Product Description

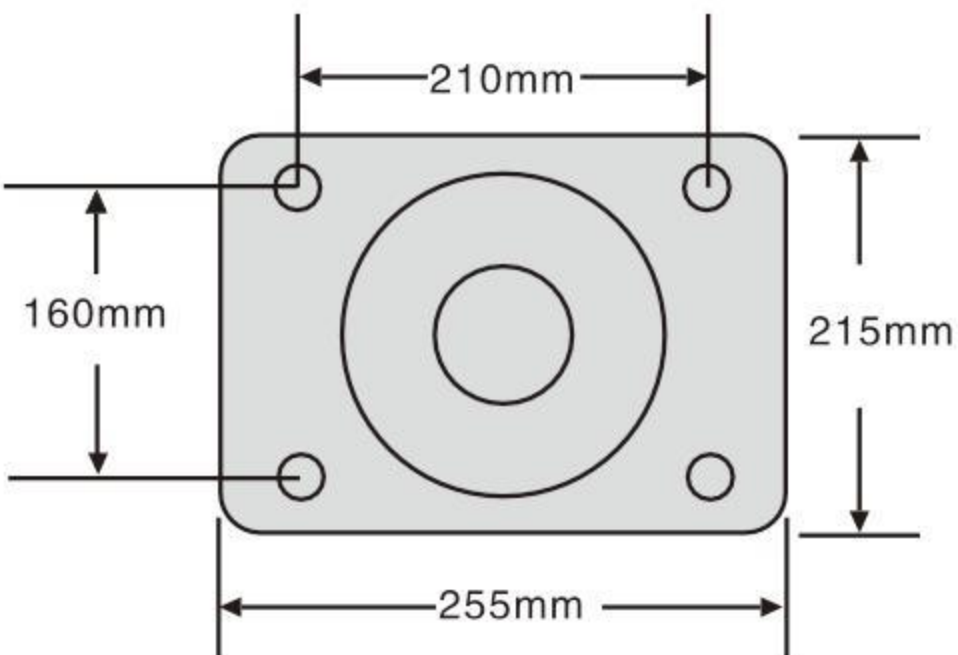
Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of high-resilience PU material with an iron core, offering excellent performance in wear resistance, shock absorption, and quiet operation.
2. The square mounting plate of the caster bracket is made of high-quality steel with a large swivel raceway. The swivel mechanism adopts both thrust bearings and tapered roller bearings, ensuring smoother rotation, better wear resistance, and a longer service life.
3. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features outstanding extreme pressure and anti-wear properties, a low friction coefficient, and high load-bearing capacity; excellent metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance and corrosion resistance, as well as good oxidation resistance, ensuring an extremely long service life.
4. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

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AGV Tapa Heavy MC single wheel/double wheel

Product name	Number	 Wheel Diameter (mm)	 Wheel Width (mm)	 Load Capacity (kg)	 Mounting Height (mm)	 bearing	 Swivel Radius (mm)	 Mounting Size (mm)	 Hole Dia (mm)	 Wheel Material
6"MC single wheel	AGV-27-150H-120-MC	150	120	7000	280	 Dual ball race (6206)	145	210*160	D25	Nylon (MC) DIN Abrasion Coefficient 21mm³
8"MC single wheel	AGV-27-200H-120-MC	200		7000	330		175			
10"MC single wheel	AGV-27-250H-120-MC	250		7500	380		205			
12"MC single wheel	AGV-27-300H-120-MC	300		8000	430		250			
6"MC double wheel	AGV-27-150H-120S-MC	150	2*120	7000	280	 Dual ball race (6206)	145	210*160	D25	Nylon (MC) DIN Abrasion Coefficient 21mm³
8"MC double wheel	AGV-27-200H-120S-MC	200		7000	330		175			
10"MC double wheel	AGV-27-250H-120S-MC	250		7500	380		205			
12"MC double wheel	AGV-27-300H-120S-MC	300		8000	430		250			



- Plate Thickness: 20mm
- Hole Dia: 25mm



Product Description

Patented Product,
Infringement Will Be Prosecuted.

1. The single wheel is made of MC nylon material, which is cast and then machined. The molecular weight of MC nylon is twice that of PA6, so its mechanical properties, fatigue resistance, wear resistance, impact strength and other performances are more than twice as good as Pa6.
2. The large swivel raceway of the caster is made of high-quality alloy steel (40Cr), which has high yield strength, tensile strength and fatigue strength, as well as sufficient plasticity and toughness, enabling the caster bracket to bear heavier loads and have a longer service life.
3. The bracket adopts double thrust bearings for more flexible steering, impact resistance and stronger load capacity; the wheel axle uses double ball bearings, making the wheel's load-bearing capacity stronger, operation more stable, and service life more reliable.
4. The swivel raceway is equipped with a thrust bearing, making the bracket rotate flexibly, quietly, easily, labor-savingly and durably.
5. The grease used in the caster raceway and bearings is molybdenum disulfide lithium-based grease. It features excellent extreme pressure and anti-wear properties, low friction coefficient and high load-bearing capacity; good metal surface adhesion and rust resistance with a wide operating temperature range; superior water washout resistance, corrosion resistance and oxidation resistance, ensuring a long service life.
6. The large swivel raceway screw of the swivel caster is made of high-quality alloy steel (40Cr) and heat-treated. It has high yield strength, tensile strength and fatigue strength, as well as sufficient plasticity and toughness, enabling the caster bracket to bear heavier loads and have a longer service life.
7. According to third-party testing results, the appearance grade of casters with powder-coated surface treatment can reach **Level 8**. By comparison, traditional casters with electrophoretic coating only reach **Level 2**, and those with traditional galvanized surface treatment reach **Level 1**.

Drive wheel rubber PU diversified wheel surface



Rubber Drive Wheel



PU Drive Wheel

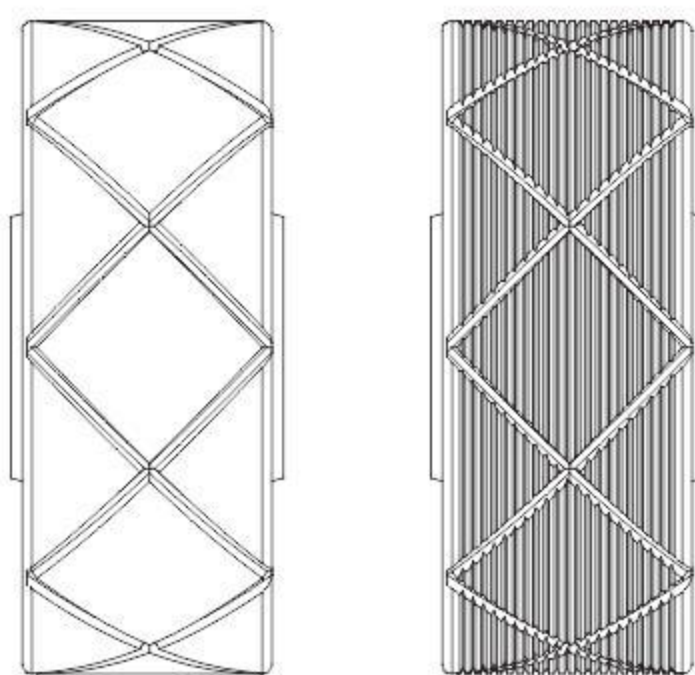


PU Drive Wheel

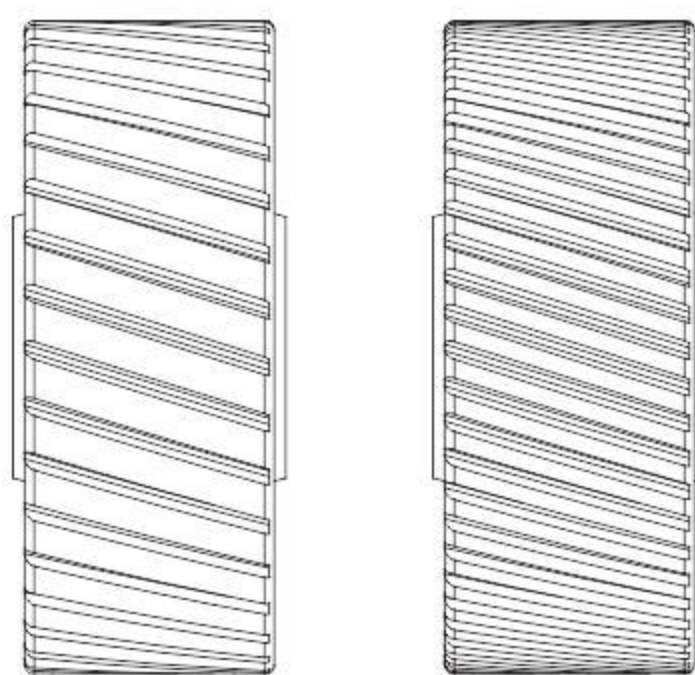
- 1. Our Zhuoye drive wheels can be customized in different sizes and materials according to customer requirements.
- 2. Using the latest technology, we produce a variety of rubber and PU wheel surfaces that feature anti-slip, wear-resistant, and non-marking properties.

Our company can provide a variety of different wheel surface patterns as shown below.

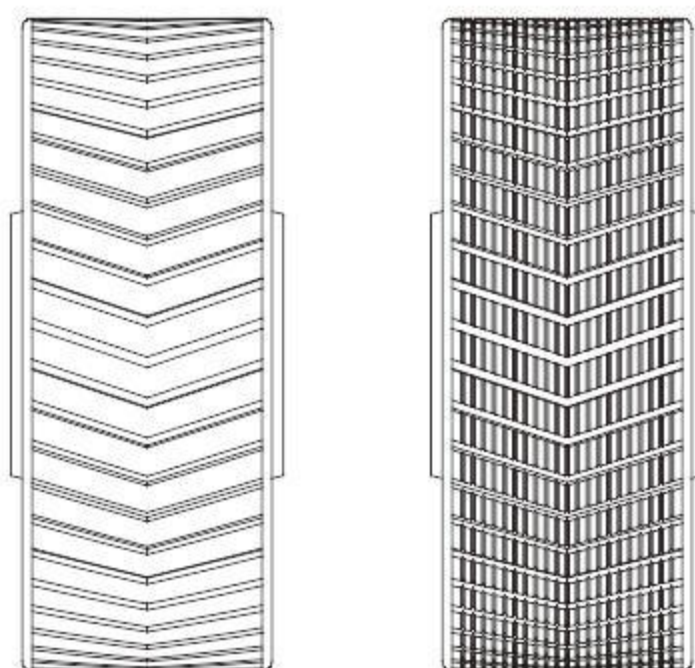
- 1 X-Profile
(Cast PU Wheel)
- 2 X-Profile+Linear
Traction
(Cast PU Wheel)



- 3 Oblique-Profile
(Cast PU Wheel)
- 4 Oblique-
Profile+Linear
Traction
(Cast PU Wheel)



- 5 V-Profile
(Cast PU Wheel)
- 6 V-Profile+Linear
Traction
(Cast PU Wheel)



- 7 Linear-Profile
(Cast PU Wheel)

