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# AGV/AMR casters

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## Guide for selection of wheels : AGV/AMR casters

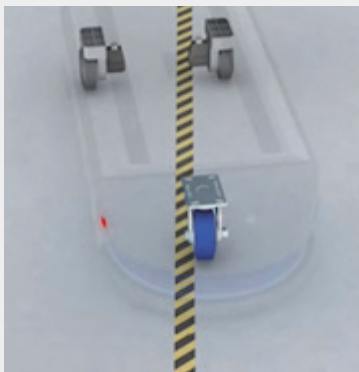
Image	Series	Description	Wheel code	Wheel dia mm	Wheel width mm	Axle bore mm	Hub length mm	Load capacity Kg	Bearing type
	HUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A90)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> </ul>	HUD-75-30	75	30	8	30	100	608 ZZ
	HUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Aluminum core</li> </ul>	HUD-60-23	60	23	15	26	75	6202 ZZ
			HUD-70-23	70	23	15	26	100	6202 ZZ
			HUD-75-23	75	23	15	23	100	6202 ZZ
			HUD-75-48	75	48	15	51	200	6202 ZZ
	HUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Steel core</li> <li>– Two ball bearings</li> </ul>	HUD-75-30	75	30	15	30	125	6202 ZZ
			HUD-100-30	100	30	15	30	155	6202 ZZ
			HUD-125-35	125	35	17	35	220	6203 ZZ
			HUD-150-40	150	40	17	40	315	6203 ZZ
	HUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Steel core</li> <li>– Two ball bearings</li> </ul>	HUD-110-29	110	29	15	27	200	6202ZZ
			HUD-150-40	150	40	17	40	400	6203ZZ
			HUD-200-65	200	65	25	65	1,250	6205ZZ
			HUD-250-78	250	78	35	78	2,200	6210ZZ
			HUD-300-78	300	78	35	78	2,600	6210ZZ
	NUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Steel core</li> <li>– Two ball bearings</li> </ul>	NUD-75-30	75	30	15	30	125	6202 ZZ
			NUD-100-30	100	30	15	30	155	6202 ZZ
			NUD-125-35	125	35	17	35	220	6203 ZZ
			NUD-150-40	150	40	17	40	315	6203 ZZ
	HUQ	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Steel core</li> <li>– Four ball bearings</li> </ul>	HUQ-100-50	100	50	15	62	400	6202 ZZ
	EUS	<ul style="list-style-type: none"> <li>– High elasticity polyurethane (Shore A80)</li> <li>– PC core</li> <li>– One ball bearings</li> </ul>	EUS-50-23	50	23	6	30	40	6001 ZZ
			EUS-64-23	64	23	6	30	50	6001 ZZ
	XUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore D70)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> </ul>	XUD-70-23	70	23	15	26	150	6202 ZZ

AGV/AMR casters

# GAPL/GAPC series

Excellent Durability for Light Load

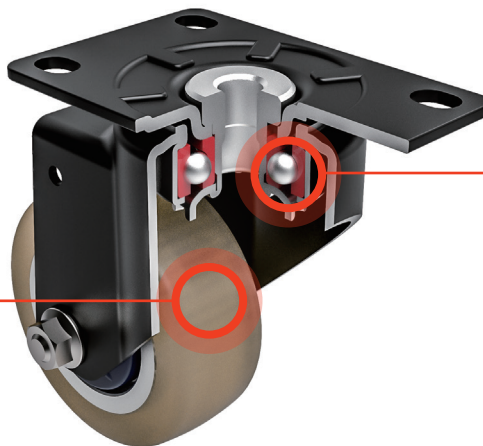
## Why should we select FOOT MASTER® AGV/AMR casters – GAPL/GAPC?



Unlike carts run by people on the production line, AGVs run continuously on behalf of people for 24 hours everyday. In an environment where an AGV is running for 24 hours, it can stop instantaneously or have trouble due to the durability problem of wheels, which can lead to work loss or safety accidents. After consulting with many AGV customers, G-DOK Industries has launched the most durable caster – GAPL/GAPC. FOOT MASTER® AGV/AMR caster – GAPL/GAPC maximizes AGV operation, ensuring cost savings and increased productivity.

### Major features

**01** GAPL/GAPC has pride in excellent durability in the AGV environment by applying bearing steel with higher strength than general structural steel in the swivel head. In addition, GAPL/GAPC shows very soft motion via minimization of friction through tolerance control of the swiveling parts.



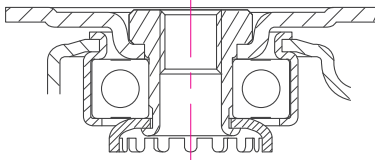
**02** GAPL/GAPC using polyurethane materials with excellent repulsive elasticity minimizes the slipping phenomenon that can happen during AGV start/stop. In addition, the repulsive elasticity catches fine shocks coming from a damaged floor.

## AGV/AMR casters

# GAPL/GAPC series



**kg 100kg**   **RoHS**   **-10~90°C**



**Brackets:** Pressed steel plate, precision ball bearing in the swivel head which is advantageous to smooth swiveling and excellent durability, strong integrated pressed steel frame, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	mm	mm	Kg	mm	mm	mm	mm	mm
GAPL-75-ASF	HUD	75	30	100	113	40	95x64	78x45 72x45	9
GAPC-75-ASF	HUD	75	30	100	102	30	95x64	78x45 72x45	9

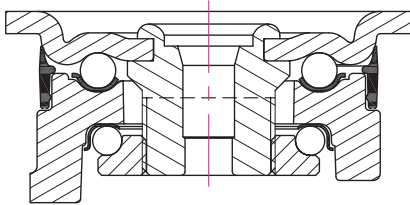
### Options

Code Suffix	HUD								
Description	Cast PU(A90)								
Available for	75								

# AGV/AMR Shock absorbing casters

## GDSA series









 30~40kg     RoHS     -10~90°C




**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber(A65), special wheel axle for reinforce of smooth rolling, AGV/AMR Dedicated Shock Absorbing Casters

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

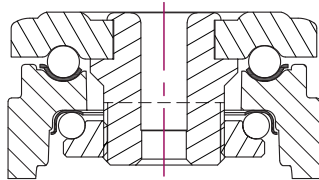
Swivel	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GDSA-50-ASF	EUS	65 °	50	23	30	87-7	23~25	55x55	42x42	6.5
GDSA-65-ASF			64	23	40	102-7	23~26			
GDSA-50-ASF-PUS			50	23	30	87-7	23~25	95x64	78x45 72x45	9
GDSA-65-ASF-PUS			64	23	40	102-7	23~26			

										
Code Suffix	EUS									
Description	Elastic PU(A80)									
Available for	50 ~ 65									

# AGV/AMR Shock absorbing casters

## GDSA series








 30~40kg   -10~90°C




**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber(A65), special wheel axle for reinforce of smooth rolling, AGV/AMR Dedicated Shock Absorbing Casters

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm	 mm
GDSA-50-ASS	EUS	65°	50	23	40	87-7	23~25	M8x1.25P	10
GDSA-65-ASS			64	23	50	102-7	23~26		

### Options

									
Code Suffix	EUS								
Description	Elastic PU(A80)								
Available for	50 ~ 65								

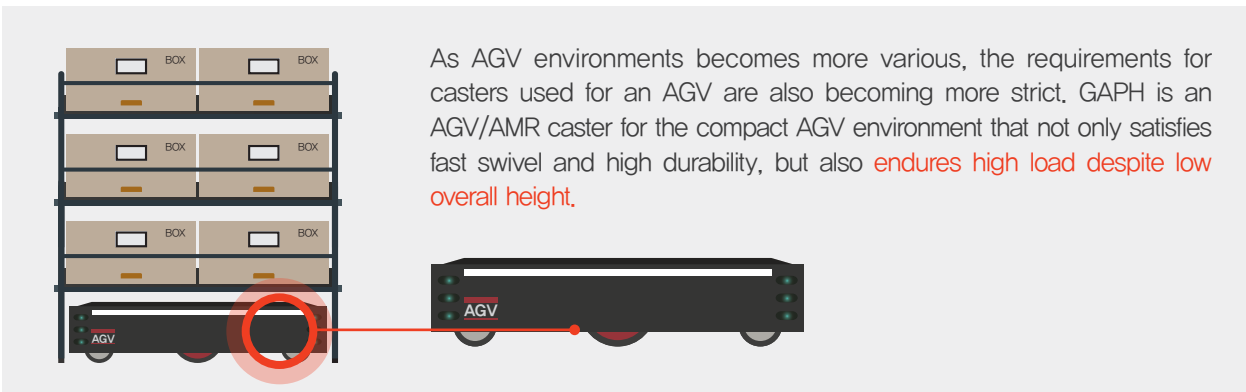


AGV/AMR casters

# GAPH series

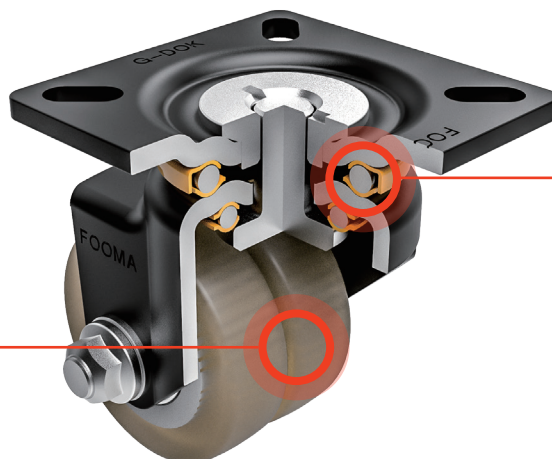
Prompt swiveling and Low Height for Medium Load

## Why should we select FOOT MASTER® AGV/AMR casters – GAPH?



### Major features

**01** GAPH guarantees fast swivel and durability. Two rows of bearings in the swivel head makes the caster swivel smoothly, but the two rows of bearings constantly wears each contacting part. The 4 sheets of specially hardened upper and lower protection sheet applied to the GAPH satisfies both fast swivel and durability by protecting the swiveling part from wear.



**02** GAPH was designed to endure heavy load despite its small wheel size by applying polyurethane with hardness of Shore A95. In addition, the polyurethane wheel with good repulsive elasticity protects AGVs from instantaneous shocks coming from damaged floors.

# AGV/AMR casters

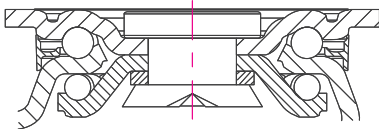
## GAJSD series



**kg** 150~200kg

**RoHS**







**°C** -10~90°C




**Brackets:** High-strength pressed steel plate with even hardened heat treatment, strong integrated pressed steel frame, dust protection cover in the swivel head, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GAJSD-60-ASF	HUD	60	23x2	150	87	21	105x80	86x61	9
GAJSD-70-ASF		70	23x2	200	97	21			
GAJSD-60-ASF-PJP		60	23x2	150	87	21	80x80	63x63	9.5
GAJSD-60-ASF-PJP		70	23x2	200	97	21			

### Options

									
Code Suffix	HUD								
Description	Cast PU(A95)								
Available for	60 ~ 70								



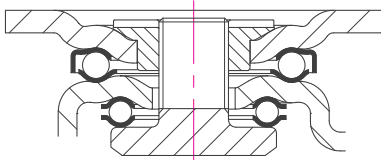
# AGV/AMR casters

## GAPH(D) series

**kg** 200kg

**RoHS**

**-10~90°C**



**Brackets:** Pressed steel plate, double ball bearing with four hardened bearing seats in the swivel head which is advantageous to rapid swiveling and excellent durability, strong integrated pressed steel frame, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	mm	mm	Kg	mm	mm	mm	mm	mm
GAPH-75-ASF	HUD	75	51	220	115	35	100x100	78x78 64x64	10.5
GAPHD-75-ASF	HUD	75	23x2	220	115	35			

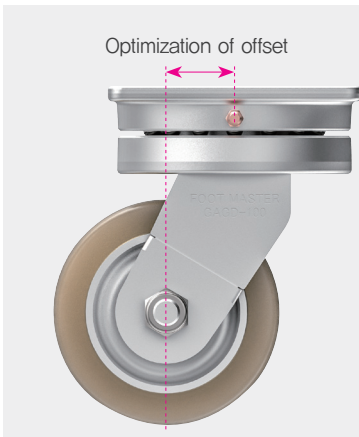
### Options

Code Suffix	HUD								
Description	Cast PU(A95)								
Available for	75								

# AGV/AMR casters GAGD series

General AGV Purpose and Dual Wheels for Heavy Load

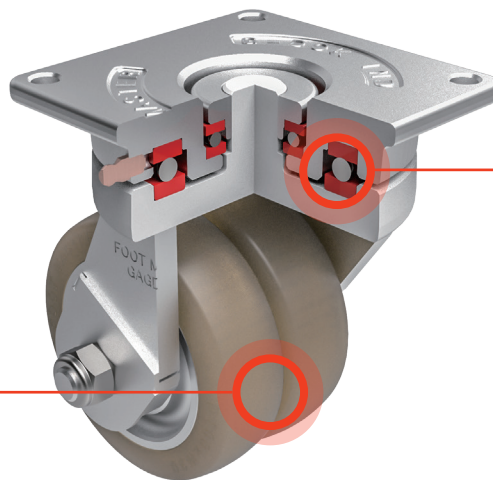
## Why should we select FOOT MASTER® AGV/AMR casters – GAGD?



AGVs carrying heavy weight are not easy to change direction. In addition, AGVs swing as much as the offset of the caster when changing directions. This swing phenomenon appears more prominent as the weight is heavier, and this swing phenomenon leads AGVs stop away from the regular position. FOOT MASTER® AGV/AMR caster – GAGD endures heavy weight, and provides the best solution by setting an optimal offset which is smaller than the offset of a general caster to prevent abrupt stops when changing direction.

### Major features

**01** GAGD structure adopts **two rows of thrust bearings** to raise the swiveling power and endure very heavy weight. This guarantees durability for AGVs to run long despite heavy weight.



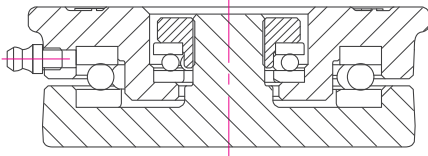
**02** As the weight becomes heavier, AGV motion become more dull. For changing directions even with small force, **the dual wheels structure is essential, not optional**. GAGD uses high-elastic polyurethane wheels showing the highest performance in heavy weight AGV environments.

# AGV/AMR casters

## GAGD series




**kg** 250~630kg    **RoHS**    **°C** -10~90°C



**Brackets:** Forged steel plate, double thrust bearing in the swivel head to optimize the heavy load, grease nipple, strong welded frame, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GAGD-75-ASF	HUD	75	30x2	250	123	30	112x112	92x92	9
GAGD-100-ASF		100	30x2	310	150	30			
GAGD-125-ASF	HUD	125	35x2	440	175	33	145x145	120x120	11
GAGD-150-ASF		150	40x2	630	200	35			
GAGD-75-ASF	NUD	75	30x2	250	123	30	112x112	92x92	9
GAGD-100-ASF		100	30x2	310	150	30			
GAGD-125-ASF	NUD	125	35x2	440	175	33	145x145	120x120	11
GAGD-150-ASF		150	40x2	630	200	35			

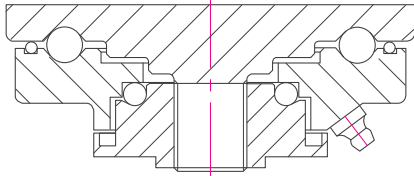
### Options

						
Code Suffix	HUD	NUD	SCP			
Description	Cast PU(A95)	Cast PU(A95)	Sweeper			
Available for	75 ~ 150	75 ~ 150	75 ~ 150			

# AGV/AMR casters

## GXTA series

**kg 400kg**   **RoHS**   **-10~90°C**



**Brackets:** Forged steel plate, double ball bearing with hardened treatment in the swivel head which is clearly advantageous to excellent durability, grease nipple, strong welded frame, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Wheel type	mm	mm	Kg	mm	mm	mm	mm	mm
GXTA-100-ASF	GXTA-100-ARF	HUQ	100	50	400	156	35	140x112	110x75 105x80	11

### Options

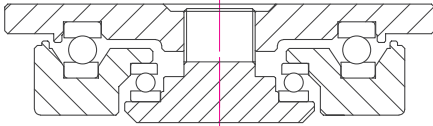
Code Suffix	HUQ									
Description	Cast PU(A95)									
Available for	100									

# AGV/AMR casters

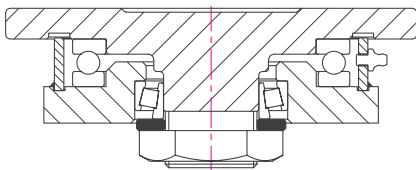
## GXTD series



**kg** 400~3,500kg    **RoHS**    **TEMP** -10~90°C



GXTD(110~200)



GXTD(250~300)

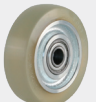
**Brackets:** Forged steel plate, double thrust bearing in the swivel head to optimize heavy load(250/300 series: thrust bearing and taper roller bearing), grease nipple, strong welded frame, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GXTD-110-ASF	GXTD-110-ARF	HUD	110	29x2	400	156	30	112x112	88x88	9
GXTD-150-ASF	GXTD-150-ARF		150	40x2	600	200	35	145x130	115x100	11
GXTD-200-ASF	GXTD-200-ARF		200	65x2	1,500	265	50	210x210	170x170	17
GXTD-250-ASF	GXTD-250-ARF		250	78x2	3,200	330	70	255x215	210x160	18
GXTD-300-ASF	GXTD-300-ARF		300	78x2	3,500	390	80			

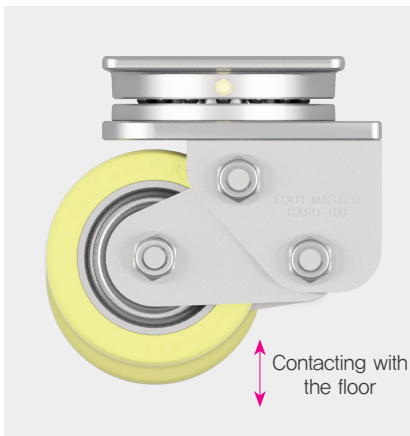
### Options

						
Code Suffix	HUD					
Description	Cast PU(A95)					
Available for	110 ~ 300					

## AGV/AMR casters **GASD series**

Spring and Dual Wheels for Heavy Load

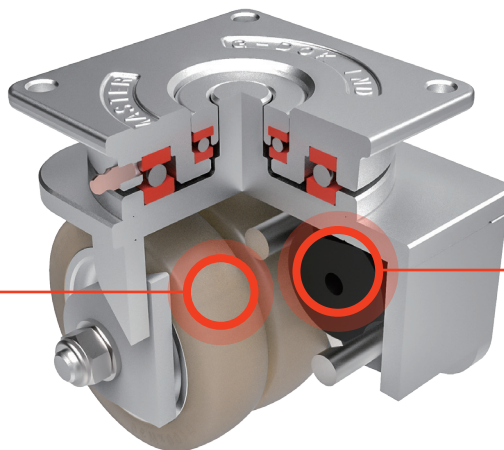
### Why should we select FOOT MASTER® AGV/AMR casters – GASD?



Even a smooth looking floor is not really flat. AGVs are usually equipped with 4 casters, one of which is often not in contact with the floor. During a change in direction, AGVs lose their balance if one caster which has not been in contact with the floor suddenly touches the floor. Therefore, AGVs deviate from their regular position, which generates a abrupt stop. FOOT MASTER® AGV/AMR caster – GASD provides the best solution to remove the deviation situation due to swinging.

#### Major features

**01** The advantage of GASD with a shock-absorbing function is that it can absorb even repeated fine shocks generated during movement on an uneven floor. The special rubber applied to GASD is made of rubber material different from the general steel coil springs to absorb fine vibrations from the floor.



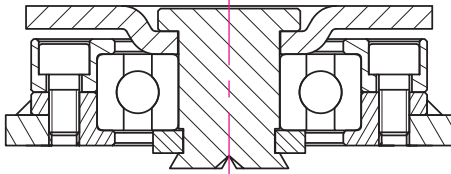
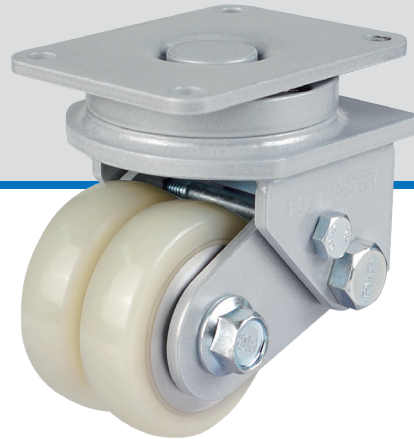
**02** GASD using special rubber provides 10mm of spring section. In the 10mm spring section, AGVs always run in contact with the floor to remarkably reduce the possibility of abrupt stops generated during a change in direction.



# AGV/AMR Casters

## MINI GASD series









 200~250kg     RoHS     -10~90°C



**Brackets:** A rotating structure with excellent durability and smooth rotation thanks to the use of steel plates and precision ball bearings. Robust welded frame, fine shock absorption, and floor surface grounding function using a special rubber spring. Compact size suitable for low-height AGV/AMR, bolt-nut type shaft fastening structure.

**Surface Treatment:** Powder coating, zinc plated

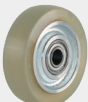

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GASD-70-ASF	HUD	65 °	70	23x2	200	110-9	26	105x80	86x61	9
GASD-70-ASF	XUD		70	23x2	250	110-9				

### Options



Product movie

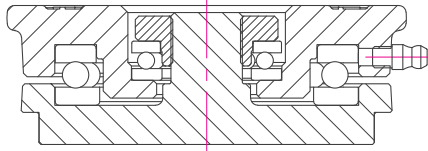
						
Code Suffix	HUD	XUD				
Description	Cast PU(A95)	Cast PU(D70)				
Available for	70	70				

# AGV/AMR casters

## GASD series



**kg** 250~630kg    **RoHS**    **TEMP** -10~90°C



**Brackets:** Forged steel plate, double thrust bearing in the swivel head to optimize heavy load, grease nipple, strong welded frame, minute shock absorption function and constant contact function to the floor with special rubber, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

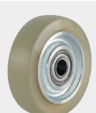

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GASD-75-ASF	HUD	75	30x2	250	130-10	30	112x112	92x92	9
GASD-100-ASF		100	30x2	310	160-10	30			
GASD-125-ASF	HUD	125	35x2	440	185-10	33	145x145	120x120	11
GASD-150-ASF		150	40x2	630	210-10	35			
GASD-75-ASF	NUD	75	30x2	250	130-10	30	112x112	92x92	9
GASD-100-ASF		100	30x2	310	160-10	30			
GASD-125-ASF	NUD	125	35x2	440	185-10	33	145x145	120x120	11
GASD-150-ASF		150	40x2	630	210-10	35			

### Options



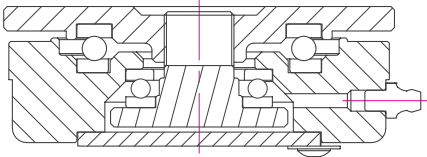
Product movie

						
Code Suffix	HUD	NUD				
Description	Cast PU(A95)	Cast PU(A95)				
Available for	75 ~ 150	75 ~ 150				

# AGV/AMR casters

## GXTS series

**400kg**   **RoHS**   **-10~90°C**



**Brackets:** Steel plate, double thrust bearing in the swivel head to optimize heavy load, grease nipple, strong welded frame, minute shock absorption function and constant contact function to the floor with special rubber, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	mm	mm	Kg	mm	mm	mm	mm	mm
GXTS-100-ASF	HUQ	100	50	400	169-14	35~39	112x112	88x88	9

### Options



Product movie

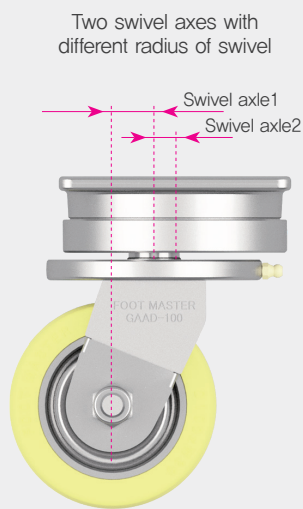
Code Suffix	HUQ								
Description	Cast PU(A95)								
Available for	100								

# AGV/AMR casters

## GAAD series

Self-Aligned and Dual Wheels for Heavy Load

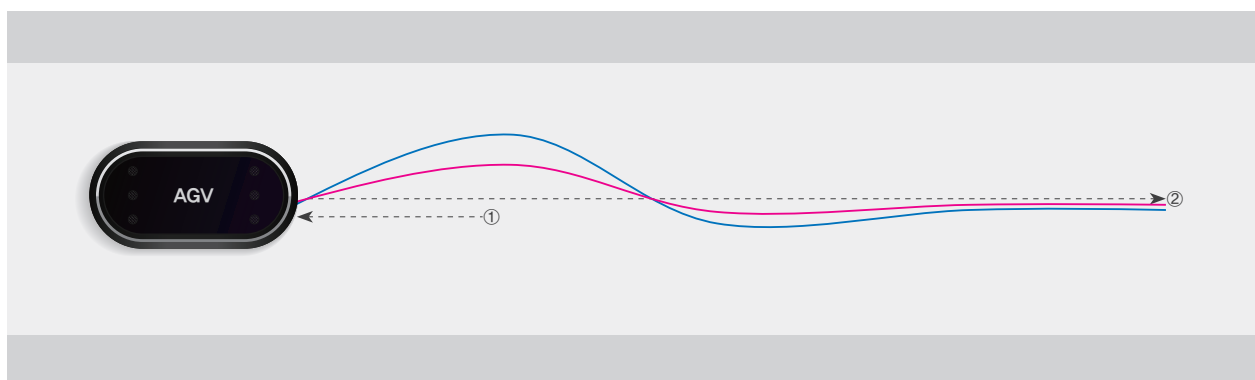
### Why should we select the FOOT MASTER® AGV/AMR casters – GAAD?



GAAD applied two rotation axes with different rotation radius and has the function to automatically optimize the radius of rotation by aligning the rotation axis on its own according to the moving direction in forward/backward motion.

The movement of AGVs is affected by the caster offset. If the offset is too long, an AGV can swing, causing it to deviate from the designated path. And if the offset is too short, the drive motor is overloaded. In particular, many AGV engineers are struggling to solve this swinging problem for AGVs which inevitably require reciprocation. The patented automatic aligning function of GAAD is the best AGV/AMR caster to solve both problems simultaneously, such as the swinging of AGVs and the overloading of drive motors.

Moving direction of AGV between a Normal Caster VS GAAD

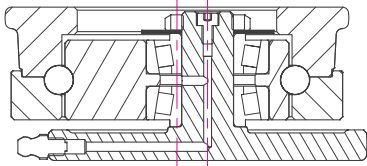


● Normal Caster ● GAAD

# AGV/AMR casters

## GAAD series






 **250~630kg**     **RoHS**     **-10~90°C**



**Brackets:** Forged steel plate, taper roller bearing with hardened treatment in the swivel head which is advantageous to excellent durability(125/150 series: double thrust bearing), grease nipple, strong welded frame, self-aligned function with two swiveling axes with different swiveling radii, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GAAD-75-ASF	HUD	75	30x2	250	130	10~30	112x112	92x92	9
GAAD-100-ASF		100	30x2	310	160	10~30			
GAAD-125-ASF	HUD	125	35x2	440	190	15~33	145x145	120x120	11
GAAD-150-ASF		150	40x2	630	215	15~35			
GAAD-75-ASF	NUD	75	30x2	250	130	10~30	112x112	92x92	9
GAAD-100-ASF		100	30x2	310	160	10~30			
GAAD-125-ASF	NUD	125	35x2	440	190	15~33	145x145	120x120	11
GAAD-150-ASF		150	40x2	630	215	15~35			

### Options



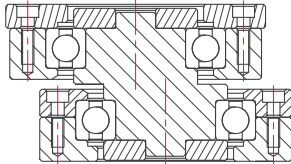
Product movie

						
Code Suffix	HUD	NUD	SCP			
Description	Cast PU(A95)	Cast PU(A95)	Sweeper			
Available for	75 ~ 150	75 ~ 150	75 ~ 150			

# AGV/AMR casters

## GSAD series









 **400~600kg**     **RoHS**     **-10~90°C**



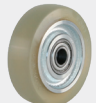
**Brackets:** Steel plate, double precision ball bearing in the swivel head to optimize heavy load, strong welded frame, self-aligned function with two swiveling axes with different swiveling radii, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GSAD-110-ASF	HUD	110	29x2	400	190	15~35	112x112	92x92	9
GSAD-150-ASF	HUD	150	40x2	600	235	15~35	145x130	115x100	11

### Options

									
Code Suffix	HUD								
Description	Cast PU(A95)								
Available for	110 ~ 150								



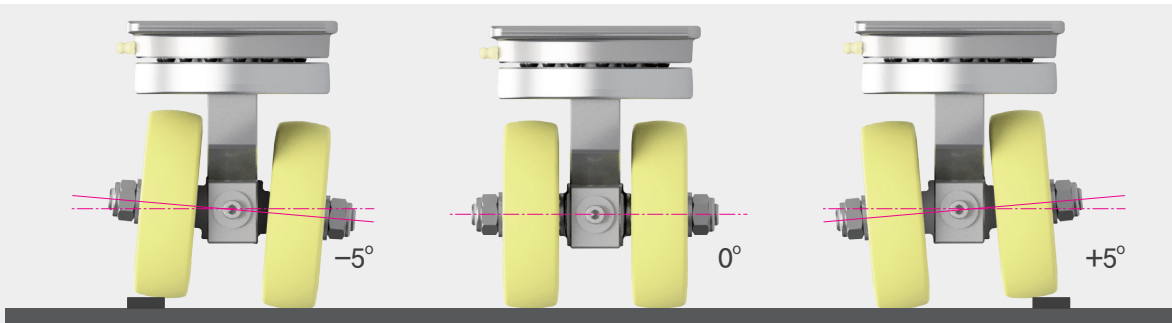
Product movie



# AGV/AMR casters GATD series

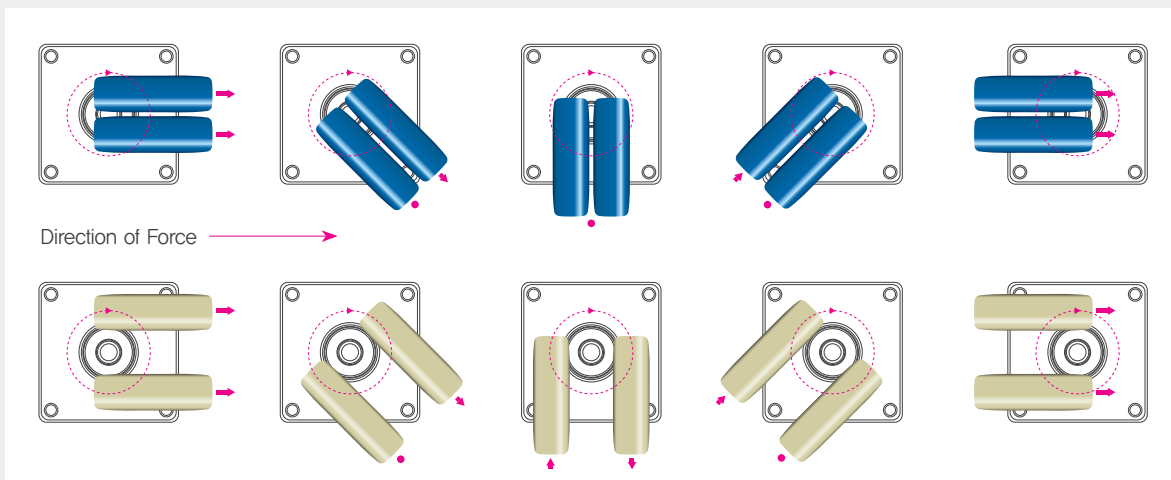
Tilting & Dual Wheels for Heavy Load(Heavy load)

## Why should we select FOOT MASTER® AGV/AMR casters – GATD?



**01** The shaft of GATD has a tilting structure that tilts freely in the range of  $\pm 5^\circ$  from its central axis according to the flatness of the floor. This freedom ensures that GATD always keeps contact with the floor, causing smooth AGV movement and protection of the loaded cargo when changing directions.

Rolling directions of a general dual-wheel VS the GATD dual-wheel

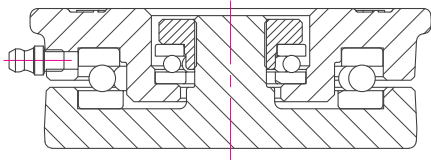


**02** Unlike the general dual-wheel caster, GATD has a structure that the two wheels are separated from each other. The two wheels in the dual-wheel caster roll in the opposite direction to each other during a change in direction. This is called self-compensation effect, as it reduces caster offset automatically. FOOT MASTER® GATD has a bigger self-compensation effect than the general dual-wheel caster to prevent AGVs from deviating from the line.

# AGV/AMR casters

## GATD series





 250~630kg     RoHS     -10~90°C



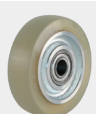

**Brackets:** Forged steel plate, double thrust bearing in the swivel head to optimize heavy load, grease nipple, strong welded frame, tilting function to maintain contact with uneven floor, bolted wheel axle structure

**Surface Treatment:** Powder coating, zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Wheel type	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GATD-75-ASF	HUD	75	30x2	250	123	30	112x112	92x92	9
GATD-100-ASF		100	30x2	310	150	30			
GATD-125-ASF	HUD	125	35x2	440	175	33	145x145	120x120	11
GATD-150-ASF		150	40x2	630	200	35			
GATD-75-ASF	NUD	75	30x2	250	123	30	112x112	92x92	9
GATD-100-ASF		100	30x2	310	150	30			
GATD-125-ASF	NUD	125	35x2	440	175	33	145x145	120x120	11
GATD-150-ASF		150	40x2	630	200	35			

### Options

						
Code Suffix	HUD	NUD				
Description	Cast PU(A95)	Cast PU(A95)				
Available for	75 ~ 150	75 ~ 150				



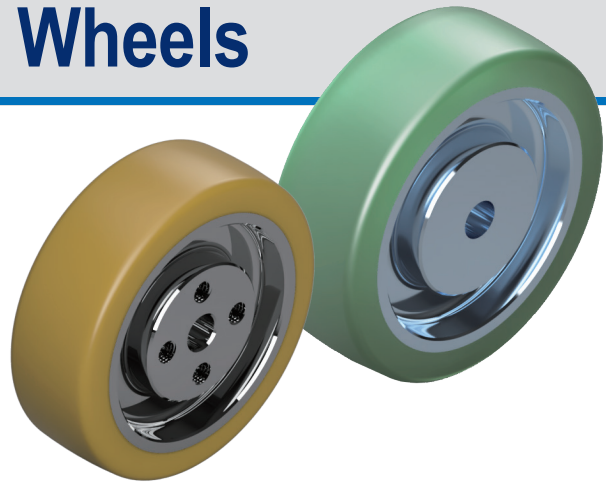
Product movie

# AGV/AMR Standard Wheel

## Premium AGV/AMR Wheels

**kg 520~1,960kg** **RoHS**

Standards-Based Wheels + Realize the best performance with various option combinations.



### Wheel selection guide

<b>Step1</b>	Wheel Core material selection Steel   Aluminum
<b>Step2</b>	Wheel type selection Basic type   Keyhome type   Flange type   Bearing type
<b>Step3</b>	Selection of surface treatment Zinc plated   Electroless nickel plated   White soft anodized
<b>Step4</b>	Polyurethane material selection Selection of polyurethane hardness suitable for load/ application

No.	Standard	Models	Dimension(mm)						Allowable load(kg) by polyurethane hardness(Shore A)		
			Wheel dia	Wheel width	Hub dia	Hub length	Axle bore	PU tread thickness	80A	90A	95A
1	W-D150xW50	W-D150xW50-HW50-25H7	150	50	65	50	25	16,5	520	650	730
2	W-D160xW50	W-D160xW50-HW50-25H7	160	50	65	50	25	17,5	570	710	790
3	W-D180xW60	W-D180xW60-HW60-30H7	180	60	80	60	30	18,5	760	940	1,050
4	W-D200xW60	W-D200xW60-HW60-30H7	200	60	92	60	30	21,5	900	1,110	1,250
5	W-D250xW80	W-D250xW80-HW80-40H7	250	80	114	80	40	23	1,410	1,750	1,960

※ The allowable load specified in the table is the maximum allowable load under the condition of 4 km/h(Running speed).

The allowable load may vary depending on the purpose of the wheel (Drive, Idle, etc.) and the conditions of use (speed, continuous operation time).

※ Anti-static is available(10<sup>8</sup> ~ 10<sup>9</sup>Ωcm)

### Step2 Wheel type selection : Various shapes other than BASIC axle bore can be changed.

※ For detailed dimensions, please refer to the drawings on the website (Please use the template drawings to modify the parts you want)

Wheel shape	BASIC type	KEYHOME type	FLANGE type	BEARING type		
Etc.	AGV/AMR Wheels of various sizes can be made to order					

### Step4 Polyurethane material selection

#### [ TDI wheels ]

Excellent dynamic characteristics and suitable for various applications. It is an ether or ester material and has excellent dynamic properties due to its high tensile strength and tear strength.

- Applicable polyurethane hardness : 80A/90A/95A
- The lower the polyurethane hardness, the higher the friction resistance, the less slipping

#### [ Premium PPDI/NDI wheels ]

Excellent abrasion resistance/tear strength, resulting in less particle generation and high durability against cracks. Excellent rebound elasticity, the best urethane grade

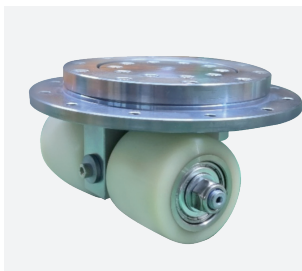
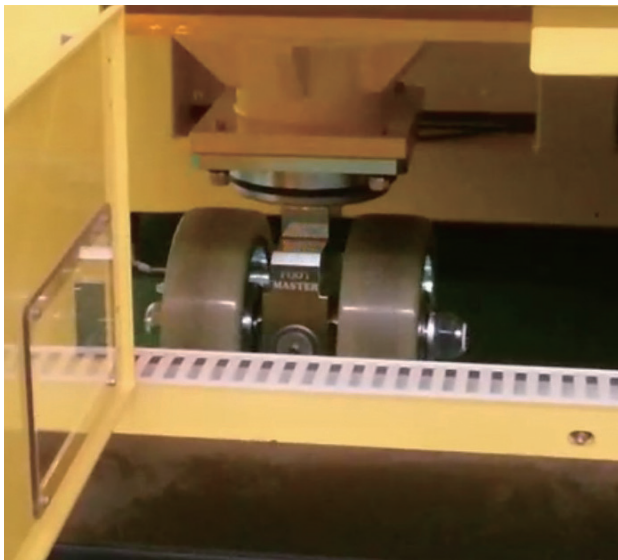
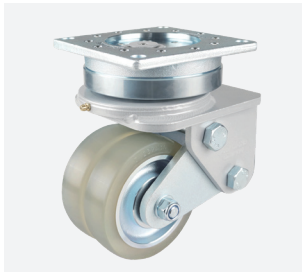
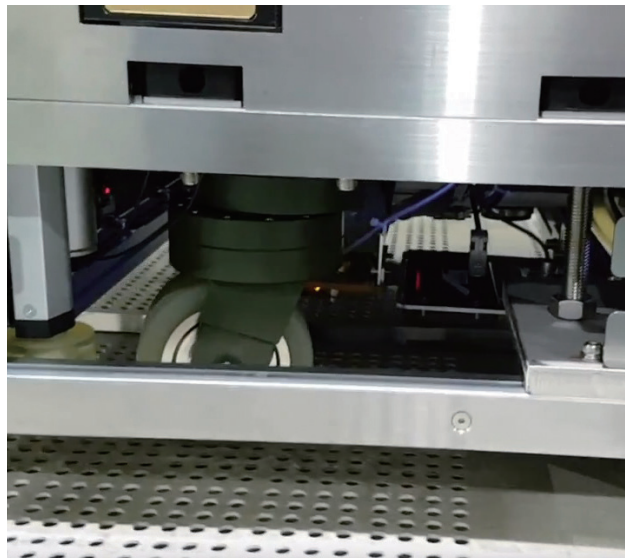
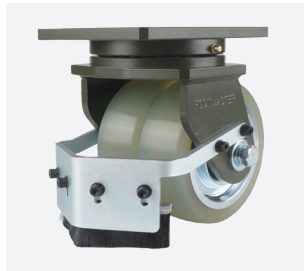
- Applicable polyurethane hardness : 95A

AGV/AMR Casters & Wheels used for various purposes

# Application(AGV/AMR Casters & Wheels)

 **50~8,000kg**     **RoHS**

Our AGV/AMR Caster & Wheel is a product whose superiority was verified by being applied to the cutting-edge lines of domestic and overseas prominent enterprises requiring a strict clean class, and provides the best solution at any requirement condition of customers based on our over 30 years of technology experience.



Leveling casters

Compact casters

Shock absorbing casters

**AGV/AMR casters**

Stainless steel casters

Heat-resistant casters

Light duty casters

Medium duty casters

Heavy duty casters

Custom-made