

The Pride of Top Quality  
**FOOT MASTER®**

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# Shock absorbing casters

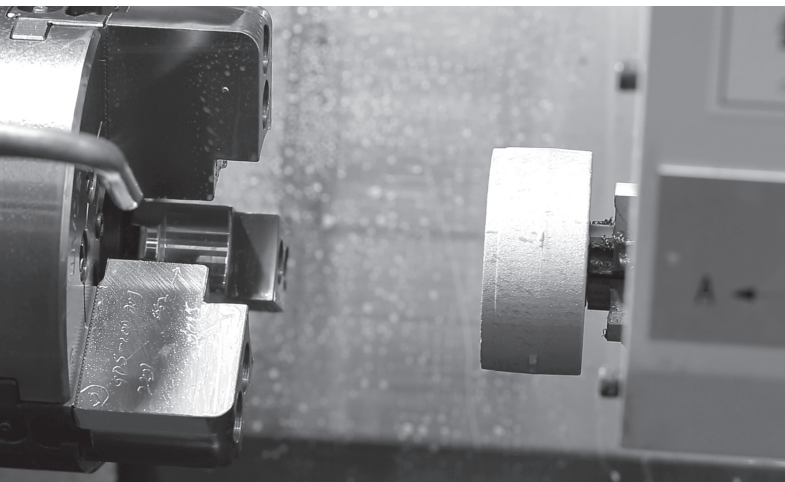
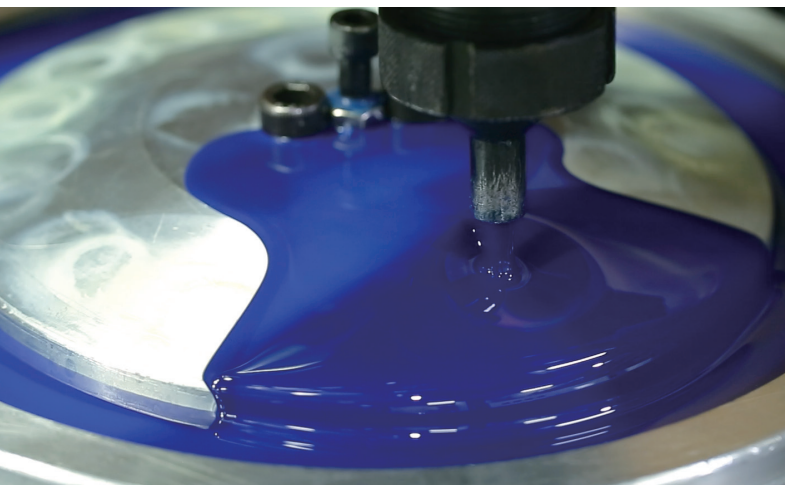
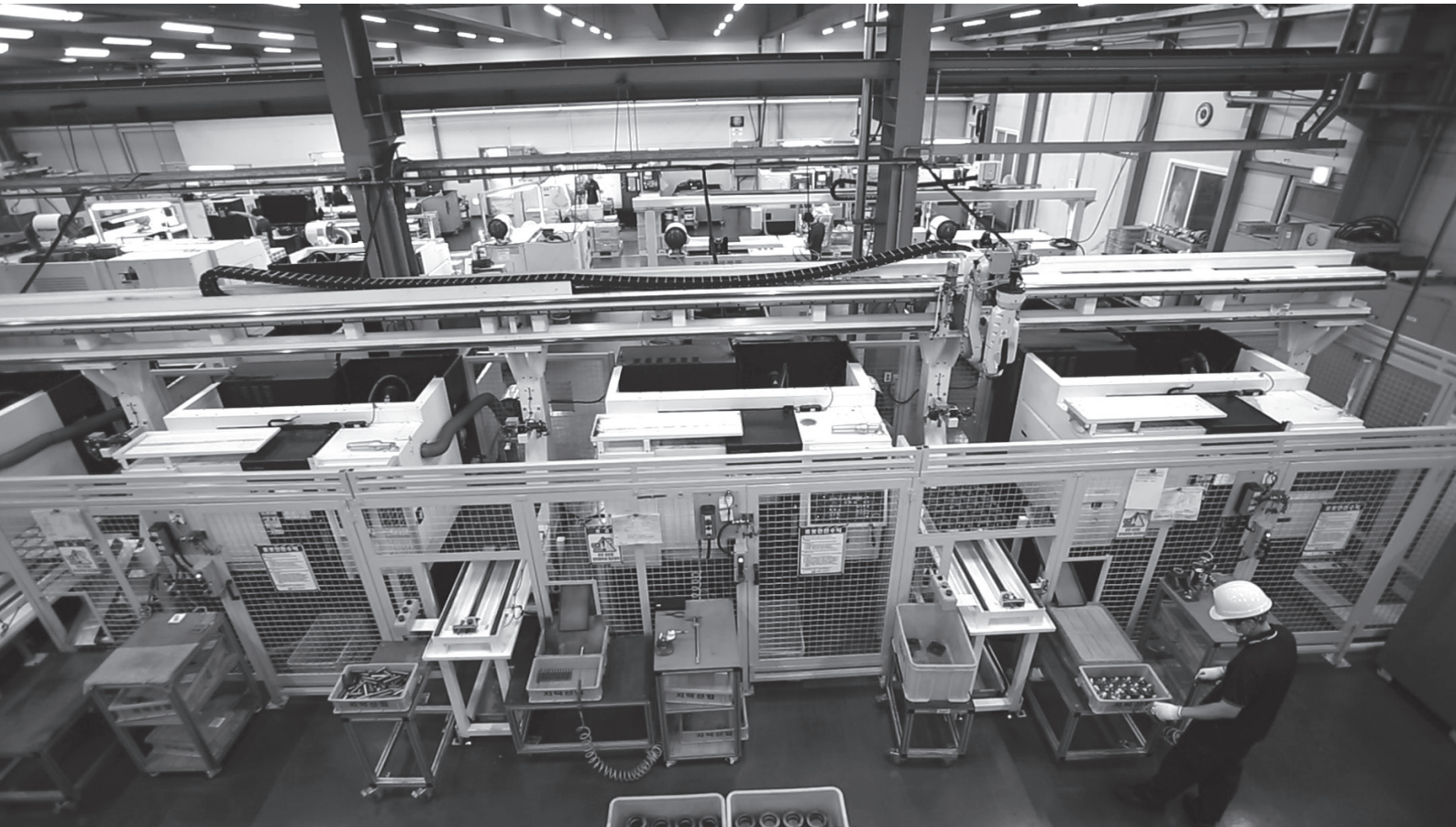
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## Guide for selection of wheels : Shock absorbing casters

Image	Series	Description	Wheel code	Wheel dia mm	Wheel width mm	Axle bore mm	Hub length mm	Load capacity Kg	Bearing type
	TUS	<ul style="list-style-type: none"> <li>– Injected polyurethane (Shore A92)</li> <li>– PP core</li> <li>– One ball bearing</li> </ul>	TUS-100-30	100	30	8	40	100	6202 ZZ
			TUS-125-30	125	30	8	40	110	6202 ZZ
			TUS-150-30	150	30	8	40	110	6202 ZZ
	TUD	<ul style="list-style-type: none"> <li>– Injected polyurethane (Shore A92)</li> <li>– PP core</li> <li>– Two ball bearings</li> </ul>	TUD-100-30	100	30	8	30	100	608 ZZ
			TUD-125-30	125	30	8	30	110	608 ZZ
			TUD-150-30	150	30	8	30	110	608 ZZ
	HRS	<ul style="list-style-type: none"> <li>– Injected rubber (Shore A85)</li> <li>– PP core</li> <li>– One ball bearing</li> </ul>	HRS-100-30	100	30	8	40	100	6202 ZZ
			HRS-125-30	125	30	8	40	110	6202 ZZ
			HRS-150-30	150	30	8	40	110	6202 ZZ
	HRD	<ul style="list-style-type: none"> <li>– Injected rubber (Shore A85)</li> <li>– PP core</li> <li>– Two ball bearings</li> </ul>	HRD-100-30	100	30	8	30	100	608 ZZ
			HRD-125-30	125	30	8	30	110	608 ZZ
			HRD-150-30	150	30	8	30	110	608 ZZ
	LUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A90)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> </ul>	LUD-75-30	75	30	8	30	90	608 ZZ
			LUD-100-30	100	30	8	30	120	608 ZZ
			LUD-125-30	125	30	8	30	120	608 ZZ
			LUD-150-30	150	30	8	30	120	608 ZZ
	LUD-WEU	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A90)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> <li>– Anti-static version (<math>10^9 \sim 10^9 \Omega \text{cm}</math>)</li> </ul>	LUD-WEU-75-30	75	30	8	30	90	608 ZZ
			LUD-WEU-100-30	100	30	8	30	120	608 ZZ
			LUD-WEU-125-30	125	30	8	30	120	608 ZZ
			LUD-WEU-150-30	150	30	8	30	120	608 ZZ
	MUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> </ul>	MUD-150-48	150	48	15	50	360	6202 ZZ
			MUD-200-48	200	48	15	50	450	6202 ZZ
	HUD	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> </ul>	HUD-130-40	130	40	15	50	430	6202 ZZ
			HUD-150-40	150	40	15	50	550	6202 ZZ
			HUD-200-40	200	40	15	50	550	6202 ZZ
			HUD-200-48	200	48	15	60	600	6202 ZZ
			HUD-250-60	250	60	25	60	1,350	6205 ZZ
	HUD-WEU	<ul style="list-style-type: none"> <li>– Cast polyurethane (Shore A95)</li> <li>– Aluminum core</li> <li>– Two ball bearings</li> <li>– Anti-static version (<math>10^9 \sim 10^9 \Omega \text{cm}</math>)</li> </ul>	HUD-WEU-130-40	130	40	15	50	430	6202 ZZ
			HUD-WEU-150-40	150	40	15	50	550	6202 ZZ
			HUD-WEU-200-40	200	40	15	50	550	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	28	40	6001 ZZ
			EUS-64-23	64	23	6	28	50	6001 ZZ

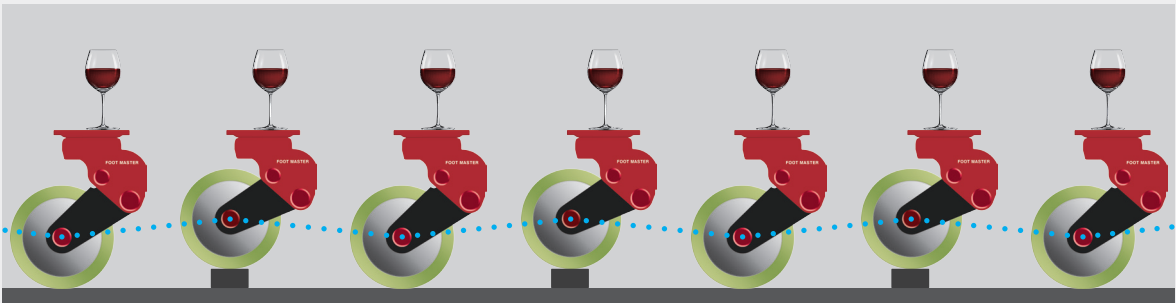




Shock absorbing casters

# GDS shock absorbing casters

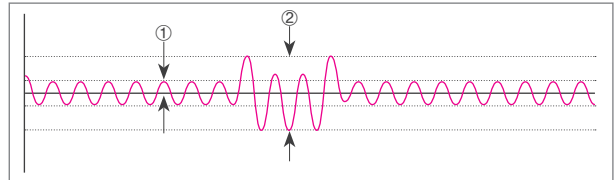
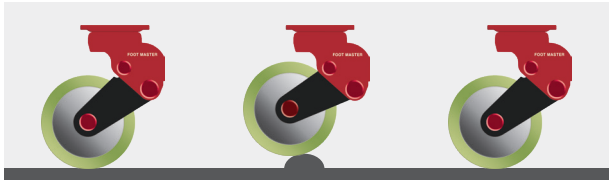
Advanced shock absorbing technology with a noise free solution



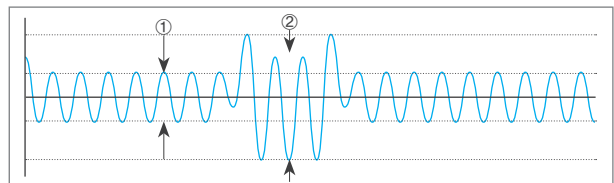
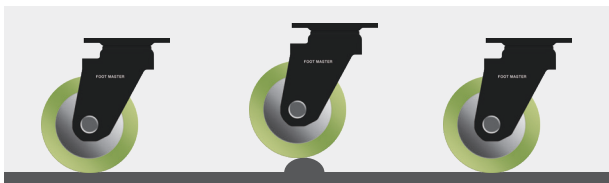
FOOT MASTER® shock absorbing casters using special rubber springs absorbing fine vibrations can not only protect products sensitive to shocks such as semiconductors and glass during movement, but can reduce even general natural noises as well as road-surface friction noises generated during the process of towing.

## Major features

### Shock absorbing casters



### Normal casters



#### 1. Noise reduction

FOOT MASTER® shock absorbing caster uses special rubber which absorbs fine vibrations. This special rubber shows a more outstanding effect in noise reduction than the shock-absorbing caster using general coil springs by intercepting the transmission of vibrations generated from a metal body.

#### 2. Protection from external shocks

Products such as semiconductors and glass can receive fatal defects by fine shocks during movement. As shown in the above wave graph, FOOT MASTER® technology absorbs shocks like a sponge to largely reduce external shocks coming from uneven floors to prevent damage to the products.



# FOOT MASTER®

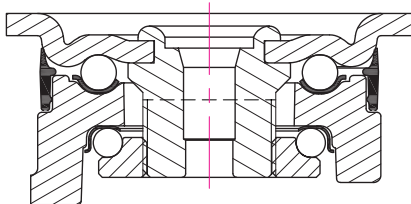
## Shock absorbing casters MINI GDS series



**kg** 40~50kg

**RoHS**










**°C** -10~90°C



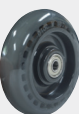
**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber(select between A65 and A75), smooth-operating top brake system, special wheel axle for reinforce of smooth rolling

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion									
						mm	mm	Kg	mm	mm	mm	mm	mm	mm
GDS-50-ASF	GDS-50-ARF	GDS-50-BSF	GDS-50-BRF	EUS	65°	50	23	40	100-10	30~34	55x55	42x42	6.5	
GDS-65-ASF	GDS-65-ARF	GDS-65-BSF	GDS-65-BRF			64	23	50	115-10	30~36				
GDS-50-ASF-PUS	GDS-50-ARF-PUS	GDS-50-BSF-PUS	GDS-50-BRF-PUS			50	23	40	100-10	30~34	95x64	78x45 72x45	9	
GDS-65-ASF-PUS	GDS-65-ARF-PUS	GDS-65-BSF-PUS	GDS-65-BRF-PUS			64	23	50	115-10	30~36				

### Options

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

# FOOT MASTER®

Shock absorbing casters

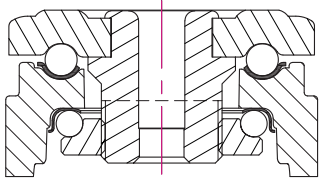
## MINI GDS series



40~50kg

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(select between A65 and A75), smooth-operating top brake system, special wheel axle for reinforce of smooth rolling

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion	mm	mm	Kg	mm	mm	mm	mm
GDS-50-ASS	-	GDS-50-BSS	-	EUS	65 °	50	23	40	100-10	30~34	M8x1.25P	10
GDS-65-ASS	-	GDS-65-BSS	-			64	23	50	115-10	30~36		

### 선택사항

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

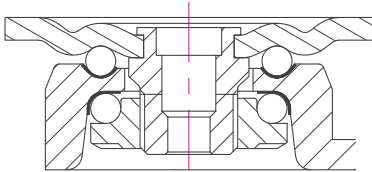


# FOOT MASTER®

## Shock absorbing casters GDS series









**kg** 90~350kg    **RoHS**    **°C** -10~90°C



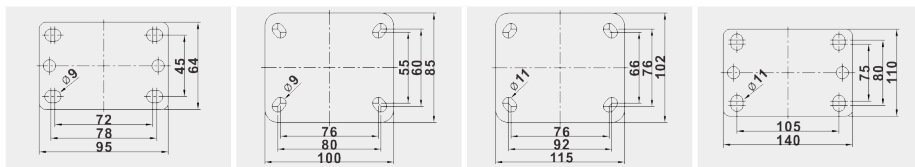
**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber(select between A65 and A75), smooth-operating top brake system, special wheel axle for reinforce of smooth rolling

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion								
						mm	mm	Kg	mm	mm	mm	mm	
GDS-75-ASF	GDS-75-ARF	-	-	LUD	65° / 75°	75	30	90	130~15	35~39	73x73	58x58	7
GDS-100-ASF	GDS-100-ARF	GDS-100-BSF	GDS-100-BRF			100	30	100	160~20	45~53			
GDS-125-ASF	GDS-125-ARF	GDS-125-BSF	GDS-125-BRF			125	30	100	187~20	45~54			
GDS-130-ASF	GDS-130-ARF	GDS-130-BSF	GDS-130-BRF	HUD		130	40	350	200~30	36~50	95x95	70x70	11
GDS-150-ASF	GDS-150-ARF	GDS-150-BSF	GDS-150-BRF			150	40	350	230~30	36~50			
GDS-200-ASF	GDS-200-ARF	GDS-200-BSF	GDS-200-BRF			200	40	350	270~35	55~76			

### Options



Code Suffix	-PUS	-PEU	-PUS	-PEU
Available for	75 ~ 125	75 ~ 125	130 ~ 200	130 ~ 200

				
Code Suffix	LUD	HUD	-WEU	-FBL
Description	Cast PU(A90)	Cast PU(A95)	Anti-static(Black)	Black frame
Available for	75 ~ 125	130 ~ 200	75 ~ 200	75 ~ 200

# FOOT MASTER®

Shock absorbing casters

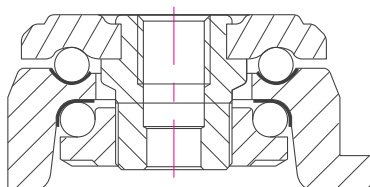
## GDS series



90~350kg

RoHS

-10~90°C



**Brackets:** Pressed steel plate(130~200 series: forged steel), double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber(select between A65 and A75), smooth-operating top brake system, special wheel axle for reinforce of smooth rolling

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion	mm	mm	Kg	mm	mm	mm	mm
GDS-75-ASS	GDS-75-ARS	—	—	LUD	65° / 75°	75	30	90	130-15	35~39	M12x1.75P	18
GDS-100-ASS	GDS-100-ARS	GDS-100-BSS	GDS-100-BRS			100	30	100	160-20	45~53		
GDS-125-ASS	GDS-125-ARS	GDS-125-BSS	GDS-125-BRS			125	30	100	187-20	45~54		
GDS-130-ASS	GDS-130-ARS	GDS-130-BSS	GDS-130-BRS	HUD	65° / 75°	130	40	350	200-30	36~50	M16x2.0P	24
GDS-150-ASS	GDS-150-ARS	GDS-150-BSS	GDS-150-BRS			150	40	350	230-30	36~50		
GDS-200-ASS	GDS-200-ARS	GDS-200-BSS	GDS-200-BRS			200	40	350	270-35	55~76		

### Options

Code Suffix	LUD	HUD	-WEU	-FBL		
Description	Cast PU(A90)	Cast PU(A95)	Anti-static(Black)	Black frame		
Available for	75 ~ 125	130 ~ 200	75 ~ 200	75 ~ 200		



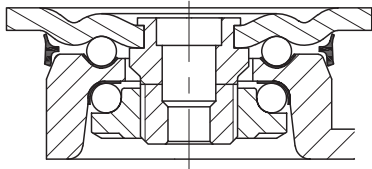
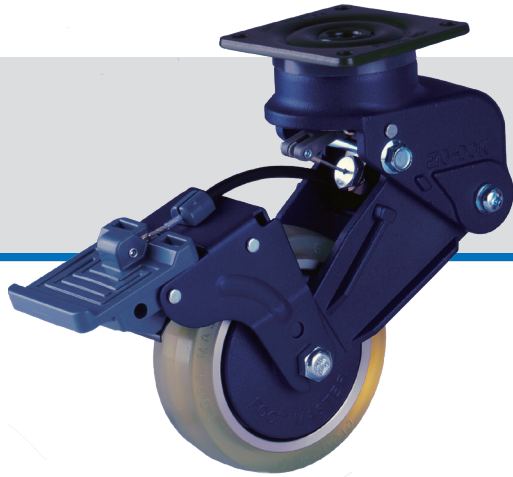
# FOOT MASTER®

## Shock absorbing casters GDSB series

**kg** 100kg

**RoHS**

**°C** -10~90°C











**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, texture blue-colored aluminum frame, fine shock absorption function with special rubber(select between A65 and A75), smooth-operating total-lock top brake system, special wheel axle for reinforce of smooth rolling

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

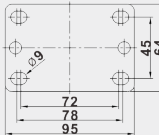
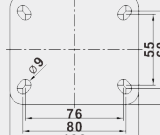
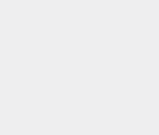
**World's first[Patent]**

**Shock absorbing casters with total lock brake system using cable – dual brakes**

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GDSB-100-ASF	GDSB-100-ARF	GDSB-100-BSF	GDSB-100-BRF	LUD	65°/75°	100	30	100	171-20	45~54	73x73	58x58	7
GDSB-125-ASF	GDSB-125-ARF	GDSB-125-BSF	GDSB-125-BRF	LUD	65°/75°	125	30	100	197-20	45~57	73x73	58x58	7

### Options

						
Code Suffix	-PUS	-PEU				
Available for	100 ~ 125	100 ~ 125				
Code Suffix	LUD	-FBL	-WEU			
Description	Cast PU(A90)	Black frame	Anti-static(Black)			
Available for	100 ~ 125	100 ~ 125	100 ~ 125			

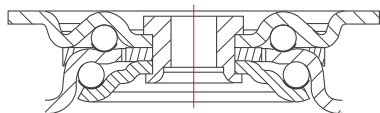
# FOOT MASTER®

## Shock absorbing casters

# G series



**kg** 100~120kg    **RoHS**    **°C** -10~90°C



**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, strong integrated pressed steel frame, dust protection cover in the swivel head, fine shock absorption function with special rubber, smooth-operating top brake system, bolted wheel axle structure

**Surface Treatment:** Zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion	mm	mm	Kg	mm	mm	mm	mm	mm
G-100-ASF	G-100-ARF	G-100-BSF	G-100-BRF	TUS	50°	100	30	100	150-10	45~50	100x85	80x60 77x45	9
G-125-ASF	G-125-ARF	G-125-BSF	G-125-BRF		70°	125	30	110	177.5-10	50~55			
G-100-ASF	G-100-ARF	G-100-BSF	G-100-BRF	HRS	50°	100	30	100	150-10	45~50	100x85	80x60 77x45	9
G-125-ASF	G-125-ARF	G-125-BSF	G-125-BRF		70°	125	30	110	177.5-10	50~55			
G-100-ASF	G-100-ARF	G-100-BSF	G-100-BRF	TUD	50°	100	30	100	150-10	45~50	100x85	80x60 77x45	9
G-125-ASF	G-125-ARF	G-125-BSF	G-125-BRF		70°	125	30	110	177.5-10	50~55			
G-150-ASF	G-150-ARF	G-150-BSF	G-150-BRF		70°	150	30	110	200-10	50~57			
G-100-ASF	G-100-ARF	G-100-BSF	G-100-BRF	HRD	50°	100	30	100	150-10	45~50	100x85	80x60 77x45	9
G-125-ASF	G-125-ARF	G-125-BSF	G-125-BRF		70°	125	30	110	177.5-10	50~55			
G-150-ASF	G-150-ARF	G-150-BSF	G-150-BRF		70°	150	30	110	200-10	50~57			
G-100-ASF	G-100-ARF	G-100-BSF	G-100-BRF	LUD	50°	100	30	120	150-10	45~50	100x85	80x60 77x45	9
G-125-ASF	G-125-ARF	G-125-BSF	G-125-BRF		70°	125	30	120	177.5-10	50~55			
G-150-ASF	G-150-ARF	G-150-BSF	G-150-BRF		70°	150	30	120	200-10	50~57			

### Options

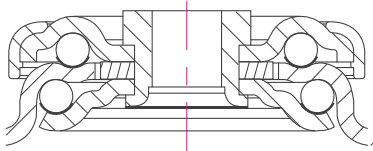
Code Suffix	TUS	HRS	TUD	HRD	LUD	-WEU
Description	Inj. PU(A92)	Rubber(A85)	Inj. PU(A92)	Rubber(A85)	Cast PU(A90)	Anti-static(Black)
Available for	100 ~ 125	100 ~ 125	100 ~ 150	100 ~ 150	100 ~ 150	100 ~ 150



# FOOT MASTER®

## Shock absorbing casters G series

 100~120kg  RoHS  -10~90°C



**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, strong integrated pressed steel frame, dust protection cover in the swivel head, fine shock absorption function with special rubber, smooth-operating top brake system, bolted wheel axle structure

**Surface Treatment:** Zinc plated

\* Recommended Load = Load Cap. × 3

Swivel	Swivel with brake	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm
G-100-ASS	G-100-BSS	TUS	50 °	100	30	100	150-10	45~50	12.5
G-125-ASS	G-125-BSS		70 °	125	30	110	177.5-10	50~55	
G-100-ASS	G-100-BSS	HRS	50 °	100	30	100	150-10	45~50	12.5
G-125-ASS	G-125-BSS		70 °	125	30	110	177.5-10	50~55	
G-100-ASS	G-100-BSS	TUD	50 °	100	30	100	150-10	45~50	12.5
G-125-ASS	G-125-BSS		70 °	125	30	110	177.5-10	50~55	
G-150-ASS	G-150-BSS		70 °	150	30	110	200-10	50~57	
G-100-ASS	G-100-BSS	HRD	50 °	100	30	100	150-10	45~50	12.5
G-125-ASS	G-125-BSS		70 °	125	30	110	177.5-10	50~55	
G-150-ASS	G-150-BSS		70 °	150	30	110	200-10	50~57	
G-100-ASS	G-100-BSS	LUD	50 °	100	30	120	150-10	45~50	12.5
G-125-ASS	G-125-BSS		70 °	125	30	120	177.5-10	50~55	
G-150-ASS	G-150-BSS		70 °	150	30	120	200-10	50~57	

### Options

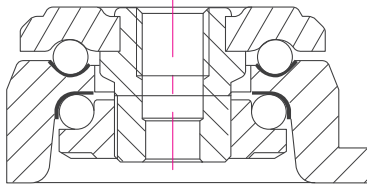
						
Code Suffix	TUS	HRS	TUD	HRD	LUD	-WEU
Description	Inj. PU(A92)	Rubber(A85)	Inj. PU(A92)	Rubber(A85)	Cast PU(A90)	Anti-static(Black)
Available for	100 ~ 125	100 ~ 125	100 ~ 150	100 ~ 150	100 ~ 150	100 ~ 150

# FOOT MASTER®

## Shock absorbing casters GDSD series











**kg** 100kg~350kg    **RoHS**    **°C** -10~90°C





**Brackets:** Pressed steel plate(130 series: forged steel), double ball bearing with hardened bearing seats in the swivel head, ivory-colored aluminum frame, fine shock absorption function with special rubber, dual-wheel structure that is advantageous in turning direction, bolted wheel axle structure

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Wheel type	Cushion								
				mm	mm	Kg	mm	mm	mm	mm	mm
GDSD-100-ASF	GDSD-100-ARF	LUD	65 °	100	30x2	100	162,5-20	45~53	73x73	58x58	7
GDSD-130-ASF	GDSD-130-ARF	HUD	65 °	130	40x2	350	227-30	50~66	95x95	70x70	11

Swivel	Rigid	Wheel type	Cushion							
				mm	mm	Kg	mm	mm	mm	mm
GDSD-100-ASS	GDSD-100-ARS	LUD	65 °	100	30x2	100	162,5-20	45~53	M12x1,75P	18

### Options

						
Code Suffix	LUD	HUD	-WEU			
Description	Cast PU(A90)	Cast PU(A95)	Anti-static(Black)			
Available for	100	130	100 ~ 130			

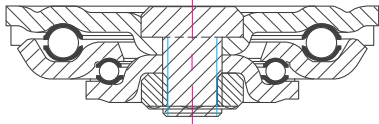


# FOOT MASTER®

Shock absorbing casters

## GDSP series

 360~450kg  RoHS  -10~90°C











### Towing by power vehicle(20km/h)



**Brackets:** Pressed steel plate, double ball bearing with hardened bearing seats in the swivel head, strong welded frame, fine shock absorption function with special rubber, towing by power vehicle(20km/h), steel top brake system, bolted wheel axle structure

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Rigid with brake	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GDSP-150-ASF	GDSP-150-ARF	GDSP-150-BSF	GDSP-150-BRF	MUD	65 °	150	48	360	202-14	48~53	158x114	133x86 125x62	13
GDSP-200-ASF	GDSP-200-ARF	GDSP-200-BSF	GDSP-200-BRF		75 °	200	48	450	253-15	65~75			
GDSP-150-ASF-PEU	GDSP-150-ARF-PEU	GDSP-150-BSF-PEU	GDSP-150-BRF-PEU	MUD	65 °	150	48	360	202-14	48~53	140x110	105x80 105x75	11
GDSP-200-ASF-PEU	GDSP-200-ARF-PEU	GDSP-200-BSF-PEU	GDSP-200-BRF-PEU		75 °	200	48	450	253-15	65~75			

### Options

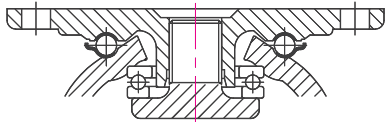
						
Code Suffix	MUD	-4DL				
Description	Cast PU(A95)	4 Directional Lock				
Available for	150 ~ 200	150 ~ 200				

# FOOT MASTER®

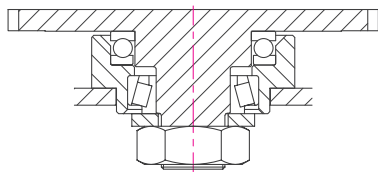
## Shock absorbing casters GSST series



**kg** 400~1,350kg    **RoHS**    **°C** -10~90°C



GSST(130~200W)











GSST(250)

### Towing by power vehicle(20km/h)


**Brackets:** Forged steel plate, ball bearing with hardened bearing seats and thrust bearing in the swivel head(250 series: thrust bearing and taper roller bearing), rugged pressed steel frame with ivory color after welding, fine shock absorption function with special rubber(select between A65 and A75), towing by power vehicle(20km/h), strong top brake system, bolted wheel axle structure

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

\* Recommended Load = Load Cap. × 3

Swivel	Rigid	Swivel with brake	Wheel type	Cushion	 mm	 mm	 Kg	 mm	 mm	 mm	 mm	 mm
GSST-130-ASF	GSST-130-ARF	GSST-130-BSF	HUD	65° / 75°	130	40	400	200-21	46~55	160x120	135x85 125x65	15
GSST-150-ASF	GSST-150-ARF	GSST-150-BSF			150	40	400	232-30	46~61			
GSST-200-ASF	GSST-200-ARF	GSST-200-BSF			200	40	400	276-30	50~70			
GSST-200W-ASF	GSST-200W-ARF	-	HUD	75°	200	48	500	279-30	50~68	160x135	140x105 105x80	14
GSST-250-ASF	GSST-250-ARF	-	HUD	65° / 75°	250	60	1,350	362-30	78~92	175x140	148x111 132x99	14

### Options

												
Code Suffix	HUD											
Description	Cast PU(A95)											
Available for	130 ~ 250											