

# Casters - Low Profile

**Swivel**      **Fixed**      **Swivel with Stopper**

**Steel**  
 CHJF  
 CHJFM  
 CHJFD  
 CHJFS

**Stainless Steel**  
 CHJK  
 CHJKM  
 CHJKD  
 CHJKS

**Swivel with Stopper**  
 Steel  
 CHJS  
 CHJSM  
 CHJSD  
 CHJSS

**CHJSS 65 / 65A / 75 / 75A**

**Steel**

Part Number	Type	D	Wheel Material	Main Body Material	Surface Treatment	Seal Material	Bearing
CHJF	Fixed	50	Special Reinforced Plastic (Black)	SPHC	Trivalent Chromate	None	Incorporated
CHJF	Fixed	50A	Special Reinforced Plastic (Black)				
CHJF	Fixed	50S	Special Reinforced Plastic (Black)				
CHJF	Fixed	65A	Special Reinforced Plastic (Black)				
CHJF	Fixed	75A	Special Reinforced Plastic (Black)				
CHJF	Fixed	65	Phenol (Black)				
CHJF	Fixed	75	Phenol (Black)				
CHJFM	Fixed	50A	MC Nylon (Blue)				
CHJFM	Fixed	65	MC Nylon (Blue)				
CHJFM	Fixed	75	MC Nylon (Blue)				
CHJFD	Fixed	50A	Electrically Conductive MC Nylon (Black)				
CHJFD	Fixed	65	Electrically Conductive MC Nylon (Black)				
CHJFD	Fixed	75	Electrically Conductive MC Nylon (Black)				

**Stainless Steel**

Part Number	Type	D	Wheel Material	Main Body Material	Surface Treatment	Seal Material	Bearing
CHJFS	Fixed	50	Special Reinforced Plastic (Black)	SUS304	Barrel Grinding	Urethane	Incorporated
CHJFS	Fixed	50A	Special Reinforced Plastic (Black)				
CHJFS	Fixed	65	Special Reinforced Plastic (Black)				
CHJFS	Fixed	65A	Special Reinforced Plastic (Black)				
CHJFS	Fixed	75	Special Reinforced Plastic (Black)				
CHJFS	Fixed	75A	Special Reinforced Plastic (Black)				
CHJFS	Fixed	65	Phenol (Black)				
CHJFS	Fixed	75	Phenol (Black)				
CHJSM	Fixed	50A	MC Nylon (Blue)				
CHJSM	Fixed	65	MC Nylon (Blue)				
CHJSM	Fixed	75	MC Nylon (Blue)				
CHJSD	Fixed	50A	Electrically Conductive MC Nylon (Black)				
CHJSD	Fixed	65	Electrically Conductive MC Nylon (Black)				
CHJSD	Fixed	75	Electrically Conductive MC Nylon (Black)				

⚠ There is no CHJSS50.  
 ⚠ All 50A types in this series have no bearing in the wheel.

⚠ To improve the swiveling performance, the dust-proof ring shape of the Swivel with Stopper Type will be revised since April 1, 2014.

**Steel Type**

Main Body	Part Number	Type	D	H	B	A	C	F	G	d	t	E	r	Allowable Load (N)				Mass (g)
														Plastic	Phenol	MC Nylon	Electrically Conductive MC Nylon	
Swivel	CHJF	(Plastic, Phenol)	50	68	28	64	-	50	-	6.5	2.3	25	51	1600	-	1600	1600	340
	CHJF	(Plastic, Phenol)	*50A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CHJFM	(MC Nylon)	65	92	38	90	-	71	-	10.5	3.2	22	57	3000	3000	3000	870	
	CHJFD	(Electrically Conductive MC Nylon)	65A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CHJFD	(Electrically Conductive MC Nylon)	75	106	38	90	-	71	-	10.5	3.2	22	61	3200	3200	3200	970	
Fixed	CHJK	(Plastic, Phenol)	50	68	28	80	50	66	36	6.5	2.3	-	-	1600	-	1600	1600	200
	CHJKM	(MC Nylon)	65	92	38	111	70	91	47	10.5	3.2	-	-	3000	3000	3000	615	
	CHJKD	(Electrically Conductive MC Nylon)	65A	-	-	-	-	-	-	-	-	-	-	3200	3200	3200	725	
	CHJKD	(Electrically Conductive MC Nylon)	75	106	38	123	72	103	52	10.5	3.2	-	-	3200	3200	3200	725	
	CHJSD	(Electrically Conductive MC Nylon)	75A	-	-	-	-	-	-	-	-	-	-	3200	3200	3200	725	
Swivel With Stopper	CHJS	(Plastic, Phenol)	*50A	68	28	64	-	50	-	6.5	2.3	25	65	1600	-	1600	1600	380
	CHJSM	(MC Nylon)	65	92	38	90	-	71	-	10.5	3.2	22	67	3000	3000	3000	960	
	CHJSD	(Electrically Conductive MC Nylon)	65A	-	-	-	-	-	-	-	-	-	-	3200	3200	3200	960	
	CHJSD	(Electrically Conductive MC Nylon)	75	106	38	90	-	71	-	10.5	3.2	22	67	3200	3200	3200	1050	
	CHJSD	(Electrically Conductive MC Nylon)	75A	-	-	-	-	-	-	-	-	-	-	3200	3200	3200	1050	

\* 50A and 50S have no bearings in a wheel. \* 50S type can serve as a replacement caster for Aluminum Extrusion HAJCHP on P.835.

Ordering Example: Part Number CHJFS65A

**Steel Type**

Main Body	D	Unit Price		
		CHJF, CHJK, CHJS (Plastic, Phenol)	CHJFM, CHJKM, CHJSM (MC Nylon)	CHJFD, CHJKD, CHJSD (Electrically Conductive MC Nylon)
Swivel	50	-	-	-
	50A	-	-	-
	50S	-	-	-
	65	-	-	-
	65A	-	-	-
	75	-	-	-
	75A	-	-	-
Fixed	50	-	-	-
	50A	-	-	-
	65	-	-	-
	65A	-	-	-
	75	-	-	-
	75A	-	-	-
	75A	-	-	-
Swivel with Stopper	50A	-	-	-
	65	-	-	-
	65A	-	-	-
	75	-	-	-
	75A	-	-	-
	75A	-	-	-
	75A	-	-	-

**Stainless Steel**

Main Body	Part Number	Type	D	Unit Price		
				CHJFS / CHJKS / CHJSS (Plastic, Phenol)	CHJSM / CHJSD (MC Nylon)	CHJSD (Electrically Conductive MC Nylon)
Swivel	CHJFS	Fixed	50	-	-	-
	CHJFS	Fixed	*50A	-	-	-
	CHJFS	Fixed	65	-	-	-
	CHJFS	Fixed	65A	-	-	-
	CHJFS	Fixed	75	-	-	-
	CHJFS	Fixed	75A	-	-	-
	CHJFS	Fixed	75A	-	-	-
Fixed	CHJKS	Fixed	50	-	-	-
	CHJKS	Fixed	50A	-	-	-
	CHJKS	Fixed	65	-	-	-
	CHJKS	Fixed	65A	-	-	-
	CHJKS	Fixed	75	-	-	-
	CHJKS	Fixed	75A	-	-	-
	CHJKS	Fixed	75A	-	-	-
Swivel with Stopper	CHJSS	Fixed	50A	-	-	-
	CHJSS	Fixed	65	-	-	-
	CHJSS	Fixed	65A	-	-	-
	CHJSS	Fixed	75	-	-	-
	CHJSS	Fixed	75A	-	-	-
	CHJSS	Fixed	75A	-	-	-
	CHJSS	Fixed	75A	-	-	-

\* 50A types in this series have no bearing in the wheel.

# Casters - Ultra Low Profile / Lightweight Low Profile

**Ultra Low Profile, Lightweight**

**RoHS 10**

Part Number	Main Body Type	D	Material	Surface Treatment	Wheel Material (Color)	Seal Material	Swiveling Part	Bearing
CGJF	SPHC	65			Phenol (Black)	None	Incorporated	Incorporated
					Special Reinforced Plastic (Black)			
					Special Reinforced Plastic (Black)			
CGJFM	SPHC	65			Phenol (Black)	None	Incorporated	Incorporated
					MC Nylon (Blue)			
CGJFD	SPHC	65			Electrically Conductive MC Nylon (Black)	None	Incorporated	Incorporated
					Electrically Conductive MC Nylon (Black)			

Main Body	Part Number	Type	D	H	d	r	Allowable Load (N)				Mass (g)	Unit Price		
							Plastic	Phenol	MC Nylon	Electrically Conductive MC Nylon		CGJF (Plastic, Phenol)	CGJFM (MC Nylon)	CGJFD (Electrically Conductive MC Nylon)
Swivel	CGJF	(Plastic, Phenol)	65	88	10.5	57	-	3000	3000	3000	750	-	-	-
							3000	-	-	-		-		
							-	3000	3000	3000		-	-	-
							3000	-	-	-		-	-	
Swivel	CGJFM	(MC Nylon)	65	88	10.5	57	-	3000	3000	3000	850	-	-	-
							3000	-	-	-		-		
							-	3000	3000	3000		-	-	-
							3000	-	-	-		-	-	

Ordering Example: Part Number CGJF65A

**Features**

- Weight-saving Advantages
  - Main body weighs 25% less than the existing casters (P1075) succeeded in improving caster's safety and easing a burden of an user
  - A success in weight saving helps customers to reduce a cost by improving their logistical efficiencies.
  - Despite of an adoption of a thinner special steel-made plate, its allowable load is not significantly different from that of pre-existing casters.

**Comparison of Mass between Pre-existing Casters (Using 4 Casters)**

D (Wheel Dia.)	Pre-existing CHJF	Mass (g)	CGJF	Weight-saving Percentage
65	3560	2720	-24%	
75	3920	2920	-26%	

**Improvement in Starting of a Movement**

- With 36% less swiveling resistance, a cart moves smoothly as its starting resistance decreases.

**<Starting Resistance> Unit: N**

**Conservation of Resources**

- Light caster weights lead to cuts in disposal costs.

**Lower Installation Height**

- Stability in running have improved as its installation height is lower than that of an equivalent products.
- It allows effective use of a space created from lower installation height.

**Pre-existing Casters**      **Light-weight Casters**

**Low Profile, Lightweight** **RoHS 10**

Part Number	Main Body Type	D	Material	Surface Treatment	Wheel Material (Color)	Seal Material	Swiveling Part	Bearing
CGZJ	SPHC Special Steel	65			Phenol (Black)	None	Incorporated	Incorporated
					MC Nylon (Blue)			
					Electrically Conductive MC Nylon (Black)			

Main Body	Part Number	Type	D	Wheel Material	B	H	A	C	F	G	d	E	r	Allowable Load (N)	Mass (g)	Unit Price		
																P	N	D
Swivel	CGZJ		65	P (Phenol)	38	74	84	84	64	64	8.5	14	43	3000	600	-	-	-
				N (MC Nylon)	48	89	100	100	78	78	10.5	16	54	4000	1090	-	-	-
				D (Electrically Conductive MC Nylon)	48	99	100	100	78	78	10.5	16	58	5000	1180	-	-	-

Ordering Example: Part Number CGZJ65 - Wheel Material P

**Features**

- Weight Saving
- Mounting Height (Lower Profile)

**Mass Comparison with Conventional Casters (Using 4 Casters)**

D (Wheel Dia.)	Existing Product CKZJ (P1080)	Mass (g)	CGZJ	Weight-saving Percentage
50	3280	2400	-27%	
65	6360	4360	-31%	
75	6720	4720	-30%	

Heavy load caster's mass generally becomes greater due to its thick plates. CGZJ Type employed a thinner special steel-made plate to make the product more lightweight than the conventional types.