

Casters - Low Profile

Casters - Ultra Low Profile / Lightweight Low Profile



Swivel Fixed Swivel with Stopper

Steel
CHJF
CHJFM
CHJFD
CHJFS

Stainless Steel
CHJK
CHJKM
CHJKD
CHJKS

Steel
CHJS
CHJSM
CHJSD
CHJSS

Stainless Steel
CHJSS 65 / 65A / 75 / 75A

Steel

Main Body	Type	Stopper	D	Wheel	Main Body	Bearing
Swivel	Fixed	Stopper		Material	Surface Treatment	(Wheel Bearing)
CHJF	CHJK	CHJS	50	Special Reinforced Plastic (Black)	EN 1.0320 Equiv. (hot coiled)	Trivalent Chromate
			50A			
			50S			
			65A			
			75A			
CHJFM	CHJKM	CHJSM	65	Phenol (Black)	-	
			75			
			50A	MC Nylon (Blue)		-
			65			
			75			
CHJFD	CHJKD	CHJSD	50A	Electrically Conductive MC Nylon (Black)	-	
			65			
			75			

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

Stainless Steel

Main Body	Type	Stopper	D	Wheel	Main Body	Bearing	
Swivel	Fixed	Stopper		Material	Surface Treatment	(Wheel Bearing)	
CHJFS	CHJKS	CHJSS	50	Special Reinforced Plastic (Black)	EN 1.4301 Equiv. Barrel Grinding	Urethane Incorporated	
			50A				
			65	Phenol (Black)			-
			65A	Special Reinforced Plastic (Black)			
			75A	Phenol (Black)			
CHJFS	CHJKS	CHJSS	65	Phenol (Black)	-		
			75				
			50A				
			65				
			75				

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

Steel Type																		
Main Body	Part Number		H	B	A	C	F	G	d	t	E	r	Allowable Load (N)				Mass (g)	
	Type	D											Plastic	Phenol	MC Nylon	Electrically Conductive MC Nylon		
Swivel	CHJF (Plastic, Phenol)	50 *50A	68	28	64	-	50	-	6.5	2.3	25	51	1600	-	1600	1600	340	
	CHJFM (MC Nylon)	65 *65A	92	38	90	-	54	36	10.5	3.2	22	57	3000	3000	3000	870		
	CHJFD (Electrically Conductive MC Nylon)	75 106A	106	48	90	-	71	-	10.5	3.2	22	61	3200	3200	3200	970		
	CHJK (Plastic, Phenol)	50 *50A	68	28	80	50	66	36	6.5	2.3	-	-	1600	-	1600	1600	200	
	CHJKM (MC Nylon)	65 *65A	92	38	111	70	91	47	10.5	3.2	-	-	3000	3000	3000	615		
Fixed	CHJKD (Electrically Conductive MC Nylon Wheel)	75 106A	106	48	123	72	103	52	10.5	3.2	-	-	3200	3200	3200	725		
	CHJS (Plastic, Phenol)	*50A	68	28	64	-	50	-	6.5	2.3	25	65	1600	-	1600	1600	380	
Swivel With Stopper	CHJSM (MC Nylon)	65 *65A	92	38	90	-	71	-	10.5	3.2	22	67	3000	3000	3000	960		
	CHJSD (Electrically Conductive MC Nylon)	75 106A	106	48	90	-	71	-	10.5	3.2	22	67	3200	3200	3200	1050		
	CHJSD	75A											3200					

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

* 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

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	-	-	-
Fixed	50	-	-	-
	50A	-	-	-
	65	-	-	-
	65A	-	-	-
	75	-	-	-
Swivel with Stopper	50A	-	-	-
	65	-	-	-
	65A	-	-	-
	75	-	-	-
	75A	-	-	-

Main Body	Part Number		D	H	B	A	C	F	G	d	t	E	r	Allowable Load (N)				Mass (g)
	Type	Stopper												Plastic	Phenol	Plastic	Phenol	
Swivel	CHJFS		50	68	28	64	-	50	-	6.5	2.3	25	51	1200	-	290	-	-
	*50A		50A	68	28	64	-	50	-	6.5	2.3	25	51	1200	-	290	-	-
	65		65	92	38	90	-	71	-	10.5	3.2	22	57	2300	-	810	-	810
	65A		65A	92	38	90	-	71	-	10.5	3.2	22	57	2300	-	810	-	810
	75		75	106	48	90	-	71	-	10.5	3.2	22	61	2500	-	910	-	910
Fixed	CHJKS		50	68	28	80	50	66	36	6.5	2.3	-	-	1200	-	180	-	-
	*50A		50A	68	28	80	50	66	36	6.5	2.3	-	-	1200	-	180	-	-
	65		65	92	38	111	70	91	47	10.5	3.2	-	-	2300	-	580	-	580
	65A		65A	92	38	111	70	91	47	10.5	3.2	-	-	2300	-	580	-	580
	75		75	106	48	123	72	103	52	10.5	3.2	-	-	2500	-	620	-	620
Swivel With Stopper	CHJSS		50A	68	28	64	-	50	-	6.5	2.3	25	65	1200	-	330	890	-
	65		65	92	38	90	-	71	-	10.5	3.2	22	94	2300	-	890	-	-
	65A		65A	92	38	90	-	71	-	10.5	3.2	22	94	2300	-	890	-	-
	75		75	106	48	90	-	71	-	10.5	3.2	22	94	2500	-	990	-	-
	75A		75A	106	48	90	-	71	-	10.5	3.2	22	94	2500	-	990	-	-

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

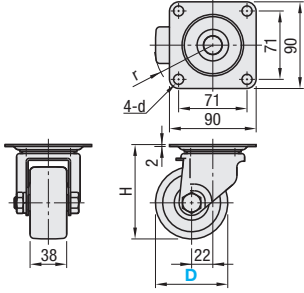
Main Body	Part Number		D	Unit Price		
	Type	Stopper		CHJFS / CHJKS / CHJSS (Plastic, Phenol)	CHJFM / CHJKM / CHJSM (MC Nylon)	CHJFD / CHJKD / CHJSD (Electrically Conductive MC Nylon)
Swivel	CHJFS		50	-	-	-
	*50A		50A	-	-	-
	65		65	-	-	-
	65A		65A	-	-	-
	75		75	-	-	-
Fixed	CHJKS		50	-	-	-
	*50A		50A	-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

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



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Part Number	Main Body	Wheel	Seal	Bearing			
Type	D	Material	Surface Treatment	Material (Color)	Material	Swiveling Part	Wheel
CGJF	65	EN 1.0320 Equiv. (hot coiled)	Trivalent Chromate	Phenol (Black)	None	Incorporated	Incorporated
	65A			Special Reinforced Plastic (Black)			
	75A			Special Reinforced Plastic (Black)			
CGJFM	65	EN 1.0320 Equiv. (hot coiled)	Trivalent Chromate	Phenol (Black)	None	Incorporated	Incorporated
	75			MC Nylon (Blue)			
	65			Electrically Conductive MC Nylon (Black)			
CGJFD	65	EN 1.0320 Equiv. (hot coiled)	Trivalent Chromate	Phenol (Black)	None	Incorporated	Incorporated
	75			MC Nylon (Blue)			
	65			Electrically Conductive MC Nylon (Black)			



90
71
90
4-d
38
22
D

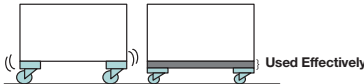
Main Body	Part Number		D	H	d	r	Allowable Load (N)				Mass (g)	Unit Price		
	Type	Stopper					Plastic	Phenol	MC Nylon	Electrically Conductive MC Nylon		CGJF (Plastic, Phenol)	CGJFM (MC Nylon)	CGJFD (Electrically Conductive MC Nylon)
Swivel	CGJF	(Plastic, Phenol)	65	88	10.5	57	-	3000	3000	3000	750	-	-	-
	CGJFM	(MC Nylon)	65A	88	10.5	57	3000	-	-	-	750	-	-	-
	CGJFD	(Electrically Conductive MC Nylon)	75	98	10.5	61	-	3000	3000	3000	850	-	-	-
	75A		75A	98	10.5	61	3000	-	-	-	850	-	-	-

Ordering Example
Part Number
CGJF65A

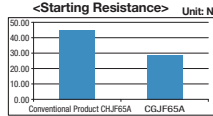
- Features
- Weight-saving Advantages
 - Main body weighs 25% less than the existing casters (P1075) succeeded in improving caster's safety and easing a burden of a user.
 - A success in weight saving helps customers to reduce a cost by improving their logistical efficiencies.
 - Despite of an adoption 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)		Mass (g)		Weight-saving Percentage
D (Wheel Dia.)	Pre-existing CHJF	CGJF	CGJF	
65	3560	2720	-24%	
75	3920	2920	-26%	

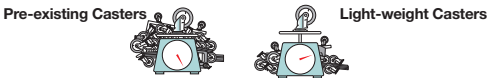
- Lower Installation Height
 - Stability in running have improved as its installation height is lower than that of an equivalent products.
 - It allows effective use of a space created from lower installation height.



- Improvement in Starting of a Movement
 - With 36% less swiveling resistance, a cart moves smoothly as its starting resistance decreases.



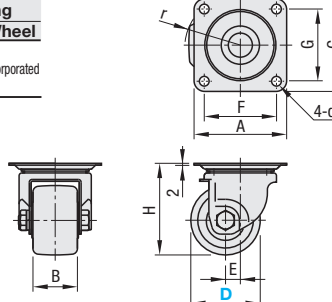
- Conservation of Resources
 - Light caster weights lead to cuts in disposal costs.





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Part Number	Main Body	Wheel	Seal	Bearing			
Type	D	Material	Surface Treatment	Material (Color)	Material	Swiveling Part	Wheel
CGZJ	50	EN 1.0320 Equiv. (hot coiled)	Trivalent Chromate	Phenol (Black)	None	Incorporated	Incorporated
	65			MC Nylon (Blue)			
	75			Electrically Conductive MC Nylon (Black)			

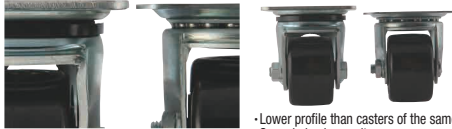


90
71
90
4-d
38
22
D

Main Body	Part Number		D	Wheel Material	B	H	A	C	F	G	d	E	r	Allowable Load (N)	Mass (g)	Unit Price		
	Type	Stopper														P	N	D
Swivel	CGZJ		50	P (Phenol)	38	74	84	84	64	64	8.5	14	43	3000	600	-	-	-
			65	N (MC Nylon)	48	89	100	100	78	78	10.5	16	54	4000	1090	-	-	-
			75	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)



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.

Mass Comparison with Conventional Casters (Using 4 Casters)

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