

Casters

Super Heavy Load / Low Profile



Casters – Super Heavy Load

Type	Body		Wheel	Seal	Bearings	
	Material	Surface Treatment	Material (Color)	Material	Swiveling	Wheel
CKZJ	50	Low Carbon Steel	Reinforced Plastic (Black) Phenol (Black) MC Nylon (Blue) Electrically Conductive MC Nylon (Black)	Polypropylene	Incorporated	Incorporated (Double Ball Bearing)
CKZK	65, 75					Incorporated (Needle Bearing)
CKZJ	80, 100					

Swivel

CKZJ

Locked

CKZK

Application Example

Needle Bearing

Excels in load capacity as needle bearings are used for wheel bearings.

Body Type	Part Number		Wheel Material	B	H	A	C	F	G	d	t	E	r	Allowable Load (N)	Mass (g)
	Type	D													
Swivel	CKZJ	50	H Reinforced Plastic P Phenol N MC Nylon D Electrically Conductive MC Nylon	38	79	84	—	64	—	8.5	3.2	12	47	4000	820
		65												5000	1540
		75												6000	1625
		*80												8000	1680
		*100												9000	2160
Fixed	CKZK	50	38	79	85	90	64	—	8.5	—	—	—	—	4000	550
		65												5000	1000
		75												6000	1060

⊙ * Wheel material for D80 and 100 type is N(MC nylon) only. D80 and 100 type can also be pulled by a powered mover if the operational speed is under 2km/h.

Casters – Low Profile

Type	Body		Wheel	Seal	Bearings	
	Material	Surface Treatment	Material (Color)	Material	Swiveling Part	Wheel
CGZJ	50	Low Carbon Steel Specialty Steel	Phenol (Black) MC Nylon (Blue) Conductive MC Nylon (Black)	None	Incorporated	Incorporated
	65					
	75					

Body Type	Part Number		Wheel Material	B	H	A	C	F	G	d	t	E	r	Allowable Load (N)	Mass (g)
	Type	D													
Swivel	CGZJ	50	P Phenol N MC Nylon D Conductive MC Nylon	38	79	84	84	64	64	8.5	2	14	43	3000	800
		65												4000	1000
		75												5000	1100

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

Part Number Example CKZJ65 - P

Features

Weight Savings



Mounting Height (Lower Profile)



– Lower profile than casters of the same specs.
– Same in load capacity.

Heavy Load Caster 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.

Casters

Screw Fit



Casters – Screw Fit

Swivel

CSTUN

Swivel + Brake

CSTUNS

Body		Wheel	Bearings	
Material	Surface Treatment	Material (Color)	Swiveling Part	Wheel
Low Carbon Steel	Trivalent Chromate	Rubber (Black)	Incorporated	None

Body	Part Number		Wheel Material	H	M (Coarse)	b	t	ℓ	r	B	E	Allowable Load (N)	Mass (g)
	Type	D											
Screw-In	CSTUN	50A	R Rubber	74	12	21	4.8	35	53	28	27	500	335
		50B											
		65A											
		65B											
		75A											
		75B											
With Screw-In Brake	CSTUNS	50A	R Rubber	74	12	21	4.8	35	67	28	27	500	360
		50B											
		65A											
		65B											
		75A											
		75B											

Part Number Example CSTUN75B - R

Casters – Fit

Swivel

CLTUN

Swivel + Stopper

CLTUNS

Body		Wheel	Bearings	
Material	Surface Treatment	Material (Color)	Swiveling Part	Wheel
Low Carbon Steel	Trivalent Chromate	Rubber (Black)	Incorporated	None

Body	Part Number		Wheel Material	H	M x P	ℓ	r	B	E	Allowable Load (N)	Mass (g)
	Type	D									
Screw-In	CLTUN	40	R Rubber	59	12 x 1.25	14	41	17	21	250	150
		50									
		65A									
		65B									
		75A									
		75B									
With Screw-In Brake	CLTUNS	40	R Rubber	59	12 x 1.25	14	50	17	21	250	175
		50									
		65A									
		65B									
		75A									
		75B									

Part Number Example CLTUN65A - R