

Casters

Lockable Swivel / Double Lock



Casters – Lockable Swivel

CMGJV100
130

CMGJV150

CMGJV150

ON (Locked) OFF (Swivel)

⊖ For 100 and 130, ON/OFF positions are opposite.
– Swivel and Lock positions are changed by using the lever.

⊖ r indicates the swivel radius of the pedal.

Body		Wheel		Bearings	
Material	Surface Treatment	Material (Color)	Swiveling Part	Wheel	
Low Carbon Steel	Trivalent Chromate	Synthetic Rubber (Black) / Urethane (Blue) / Monomer Casting Nylon (Blue)	Incorporated	Incorporated	

Part Number Type	Wheel Material	B (*)	H	A	r	F ₁	F ₂	d	t	E	Allowable Load (N)			Mass (g)		
											R	U	N	R	U	N
CMGJV	100 R Rubber	32 (34)	144	95	120	73	70	10.5	3.6	35	1200	1700	1800	1400	1580	1470
	130 U Urethane	38 (42)	177	105	125	82	79			40	1800	2600	2700	2200	2410	2240
	150 N Monomer Cast Nylon	42 (44)	198	120	124	93	87			45	2000	3000	3000	2710	2990	2770

⊖ (*): The dimension for the N as Wheel Material.

Part Number Example: **CMGJV130 - N**

Casters – Double Lock

Plate Mounting

Screw Fitting

Plate Mounting

Screw Fitting

⊖ t1 part (10mm thickness) can be tightened with an off-the-shelf wrench. For dedicated wrenches, see P. 3018.

Body		Wheel		Bearings	
Material	Surface Treatment	Material (Color)	Swiveling Part	Wheel	
Low Carbon Steel	Trivalent Chromate	Synthetic Rubber (Black) / Urethane (Brown) / Elastomer (Gray)	Incorporated	None	

⊖ Elastomers can be disposed together with the wheels.

Plate Mounting

Body Type	Part Number		Wheel Material	H	d	E	r	B			Allowable Load (N)			Mass (g)		
	Type	D						R	U	E	R	U	E	R	U	E
Swivel	CMTW	75	R Rubber	103	8.8	26	65	27	28	27	600	700	500	430	415	420
		100	U Urethane	132		29	80		28	27		600	600	500	605	525
With Swivel Stopper	CMTWS	75	E Elastomer	103	8.8	26	104	27	26	27	600	700	500	530	515	520
		100		132		29	95		28	27		600	600	500	705	625

Screw-In

Body Type	Part Number		Wheel Material	H	M (Coarse)	b	l	E	r	B			Allowable Load (N)			Mass (g)			
	Type	D								R	U	E	R	U	E	R	U	E	
Screw-In	CMTWN	75A	R Rubber	110		12	21	35	36	65	27	26	27	600	700	500	405	395	400
		75B				16	23	40									440	425	435
		100A				12	21	35									555	470	460
		100B				16	23	40									590	505	495
Swivel Screw-In with Stopper	CMTWNS	75A	U Urethane	110		12	21	35	36	104	27	26	27	600	700	500	505	495	500
		75B				16	23	40									440	525	535
		100A				12	21	35									655	570	560
		100B				16	23	40									690	605	595

Part Number Example: **CMTW75 - R**
CMTW100 - U

Casters

Medium / Heavy Load



Casters – Medium Load

Swivel

Fixed

Swivel + Brake

Type	Body			Wheel*	Bearings
	Swivel	Fixed	with Stopper		
CJM	CKM	CTM	Low Carbon Steel	Bright Chrome Plating	Synthetic Rubber (Black)
CJMS	CKMS	CTMS	304 Stainless Steel	—	Urethane Rubber (Green)
CJMUC	CKMUC	CTMUC	Low Carbon Steel	Bright Chrome Plating	MC Nylon (Blue)
CJMU	CKMU	CTMU	304 Stainless Steel	—	—
CJMM	CKMM	CTMM	Low Carbon Steel	Bright Chrome Plating	—
CJMMS	CKMMS	CTMMS	304 Stainless Steel	—	—

⊖ Wheel part of Stainless Steel Type is Low Carbon Steel (Bright Chrome Plating).

Swivel

Fixed

Swivel + Brake

Body Type	D	(Wheel Rim Width) B	H	A	C	F	d	E	G	K	t	Braking Torque (kg-cm)	Allowable Load (N)			
													Synthetic Rubber Wheel	Urethane Rubber Wheel	Low Carbon Steel Body	MC Nylon Wheel Stainless Steel Body
Swivel	75	32	101	84	—	63	9.5	22	—	—	3.2	—	785	980	1667	2353
	100	32	144	96	—	71	10.5	35	—	—	4.5	—	1275	1470	2549	3529
	130	40	178	107	—	80	11.0	40	—	—	—	—	1765	2451	3530	4903
Fixed	75	32	101	95	72	63	9.5	—	40	—	—	—	785	980	1667	2353
	100	32	144	115	80	80	10.5	—	45	—	—	—	1275	1470	2549	3529
	130	40	178	138	93	100	11.0	—	56	—	—	—	1765	2451	3530	4903
Swivel + Braker	75	32	101	84	—	63	9.5	22	—	70	3.2	75	785	980	1667	—
	100	32	144	96	—	71	10.5	35	—	90	4.5	90	1275	1470	2549	3529
	130	40	178	107	—	80	11.0	40	—	95	4.5	120	1765	2451	3530	4903

Body Type	Synthetic Rubber Wheel		Urethane Rubber Wheel		MC Nylon Wheel	
	Type	Part Number	Type	Part Number	Type	Part Number
Swivel	CJM	75	CJMUC	75	CJMM	75
	Low Carbon Steel	100	Low Carbon Steel	100	Low Carbon Steel	100
		130		130		130
Fixed	CJMS	75	CJMU	75	CJMS	75
	Stainless Steel	100	Stainless Steel	100	Stainless Steel	100
		130		130		130
Stopper	CKM	75	CKMUC	75	CKMM	75
	Low Carbon Steel	100	Low Carbon Steel	100	Low Carbon Steel	100
		130		130		130
Stopper	CTM	75	CTMUC	75	CTMM	75
	Low Carbon Steel	100	Low Carbon Steel	100	Low Carbon Steel	100
		130		130		130
Stopper	CTMS	100	CTMU	100	CTMMS	100
	Stainless Steel	130	Stainless Steel	130	Stainless Steel	130
		130		130		130

Casters – Heavy Load

Swivel

Fixed

Type	Body			Wheel	Bearings
	Swivel	Fixed	with Stopper		
CJH	CKH	CTH	Low Carbon Steel	Trivalent Chromate	Special Reinforced Plastic (Black)
CJHB	CKHB	CTHB	Low Carbon Steel	Trivalent Chromate	MC Nylon (Blue)

Swivel

Fixed

Swivel

Part Number	D	CJH	CJHB	H	A	C	F	G	d	E	t	Allowable Load N
CJH	*50	28	29	68	70	54	54	36	6.5	25	2.3	1569
CJHB	65	38	39	92	90	90	71	71	10.5	30	3.2	2942
	75			106								3923

Fixed

Part Number	D	CKH	CKHB	H	A	C	F	G	d	t	Allowable Load N
CKH	*50	28	29	68	80	50	66	36	6.5	2.3	1569
CKHB	65	38	39	92	111	67	91	47	10.5	3.2	2942
	75			106	123	72	103	52			3923

⊖ * Only CJH50 and CKH50 have no bearings.

Kgf (Load)=Nx0.101972

Part Number Example: **CJM75 - CJH75**