

Casters

Economy / Light Load

Economy Casters

Swivel CNROJ

Locked CNROK

Swivel + Brake CNROS

		Body		Wheel		Bearings	
		Material	Surface Treatment	Material (Color)	Swiveling	Wheel	
		Low Carbon Steel	Bright Chrome Plating	Urethane (Black) / Polypropylene / PP (White)	Incorporated	None	

Body Type	Part Number		Wheel Material	H	A	C	F ₁	F ₂	d	B	E	Allowable Load (N)			Mass (g)		
	Type	D										U	P	U	P	U	P
Swivel	CNROJ	38	U Urethane	50	46	38	36	28	5.1	17	17	200	200	90	70		
		50		65	59	47	46	35	6	22	21	300	300	180	150		
		75		93	70	58	55	42	8	27	27	500	500	340	270		
Fixed	CNROK	38	P Polypropylene	50	46	25	36	15	5.1	17	—	200	200	50	50		
		50		65	59	47	46	35	6	22	—	300	300	120	100		
		75		93	70	58	55	42	8	27	—	500	500	210	180		
Swivel + Brake	CNROS	38		50	46	38	36	28	5.1	17	17	200	200	100	80		
		50		65	59	47	46	35	6	22	21	300	300	200	170		
		75		93	70	58	55	42	8	27	27	500	500	350	290		

Part Number Example

Part Number - Wheel Material
CNROJ75 - U

Ⓢ For general-purpose plastics, polypropylene exhibits excellent chemical resistance, (bending) strength, and is lightweight.

Casters – Light Load

Swivel CLGJ

Fixed CLGK

Fixed CLGS

		Body		Wheel		Bearings	
		Material	Surface Treatment	Material (Color)	Swiveling	Wheel	
		Low Carbon Steel	Trivalent Chromate	Synthetic Rubber (Black) / Nylon (White) / Urethane (Brown) / Alloy Cast Iron Class No.35 (Gray)	Incorporated	None	

Body Type	Part Number		Wheel Material	H	A	C	F ₁	F ₂	d	B	r	E	t	Allowable Load (N)				Mass (g)				
	Type	D												Rubber	Nylon	Urethane	Casting	Rubber	Nylon	Urethane	Casting	
Swivel	CLGJ	25	R Rubber	35	35	30	28	23	4.2	12	21	8	1.6	80	100	100	120	35	30	40	53	
		32		42	38	32	30	24		14	27	10	1.6	120	180	180	200	50	40	50	68	
		38		50	46	38	36	28		5.3	17	32	12	1.6	200	280	280	300	80	75	80	116
		50		65	59	47	46	35		6.5	20	42	16	2	300	380	380	400	140	110	119	213
		65		80	70	58	55	42		8.8	25	53	19	2.3	400	550	550	600	245	180	195	450
Fixed	CLGK	25	N Nylon	35	36	18	29	—	4.2	12	—	—	1.6	80	100	100	120	25	23	31	47	
		32		42	36	20	29	—		14	—	—	1.6	120	180	180	200	38	30	40	58	
		38		50	46	25	36	15		5.3	17	—	—	1.6	200	280	280	300	63	48	52	106
		50		65	58	40	45	25		6.5	20	—	—	2	300	380	380	400	130	95	110	220
		65		80	70	47	55	28		8.8	25	—	—	2.3	400	550	550	600	240	175	190	395
Swivel with Stopper	CLGS	50	G Casting	65	59	47	46	35	6.5	20	44	16	2	300	380	380	500	165	135	145	420	
		65		80	70	58	55	42	8.8	25	58	19	2.3	400	550	550	600	280	215	230	485	
		75		90	70	58	55	42	8.8	26	58	19	2.3	500	650	650	700	325	230	250	590	

Part Number Example

Part Number - Wheel Material
CLGJ38 - R

Casters

Angle Mount / Angle Mount with Stopper / Compatible



Casters – Angle Mount

Swivel CNGA

Swivel + Stopper CNGAS

		Body	Wheel	Bearings	
Material	Surface Treatment	Material (Color)	Swiveling	Wheel	
Low Carbon Steel	Trivalent Chromate	Synthetic Rubber (Black) / Nylon (White)	Incorporated	None	

Mount Type	Part Number		Wheel Material	H	B	E	r	Allowable Load (N)	Mass (g)
	Type	D							
Angle Mount	CNGA	50	R Rubber	65	20	22	47	300	200
		65		82	21	23	56		270
		75		92	21	27	65		400
Angle Mount Brake	CNGAS	50	N Nylon	65	20	22	49	300	210
		65		82	21	23	56		285
		75		92	21	27	65		400

Part Number Example

Part Number - Wheel Material
CNGA50 - R

Casters – Compatible

Swivel CSPJ

Locked CSPK

Angle Mount with Brake CSPJS

(Mounting Hole Dimension) A View

Ⓢ Same plate size and pitch are used for all different types and sizes of Casters.
 Ⓢ Dimensions in () are applicable to CSPK only.
 Ⓢ r indicates the swivel radius of the wheel and turning radius of the pedal.

Type	Main Body		Wheel	Bearings	
	Material	Surface Treatment	Material (Color)	Swiveling Part	Wheel
CSPJ CSPK CSPJS	Low Carbon Steel	Trivalent Chromate	Rubber (Gray)	Incorporated	Incorporated

Body Type	Part Number		Wheel Material	H	B	r	t	E	Allowable Load (N)	Mass (g)
	Type	D								
Swivel	CSPJ	75	R Rubber	93	25	65	2.3	25	600	416
		100		130	32	83		30	1200	982
		125		157	32	10		35	1071	
		150		190	32	118		40	1600	1187
		75		93	25	—		—	600	317
Fixed	CSPK	100	R Rubber	130	32	—	2.5	—	1200	786
		125		157	32	—		802		
		150		190	32	—		957		
		75		93	25	77		25	600	492
		100		130	32	98		30	1200	1147
Swivel with Stopper	CSPJS	75	R Rubber	157	32	114	3.5	35	1600	1287
		100		190	32	119		40	1600	1414
		125		157	32	119		40	1600	1414

Part Number Example

Part Number - Wheel Material
CSPJ125 - R

Application Example

– The same mounting plate standard is applicable for all types and sizes.
 – No need to change mating hole pitches when changing caster height (H) and loads.