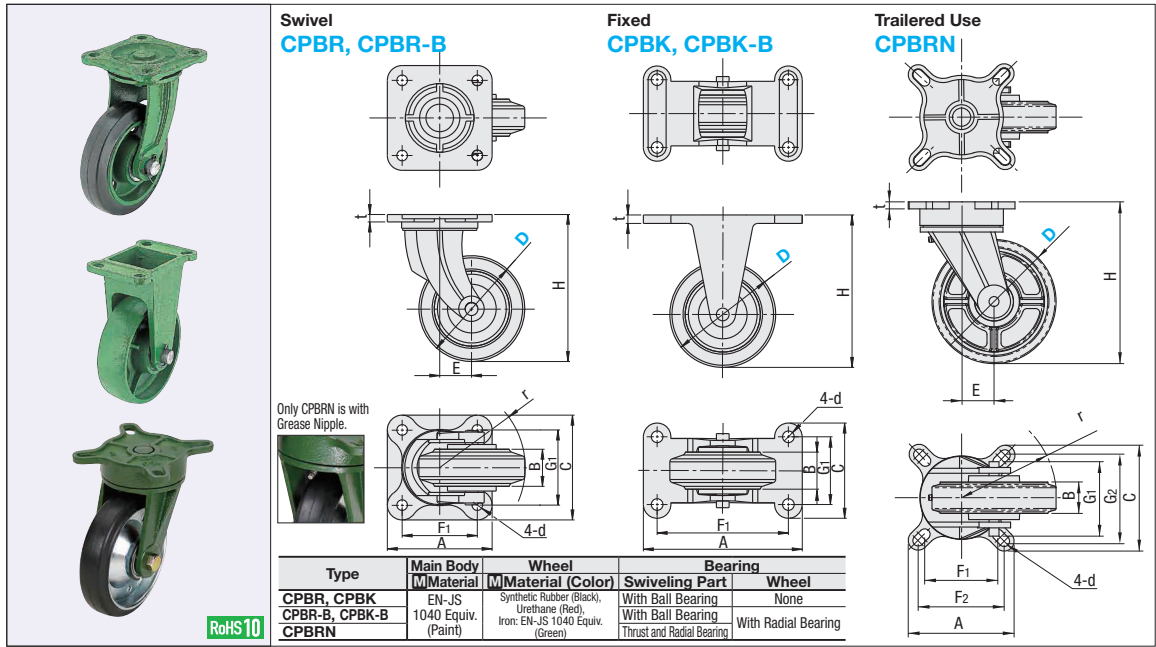


Cast Frame Casters

Standard / Trailered Use

Cast Frame Casters

Heavy Load



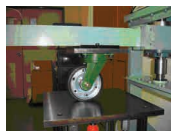
Main Body	Part Number		Wheel Material	B (Wheel Width)		H	A	C	F1	F2	G1	G2	d	t	E	r	Allowable Load (N)			Mass (g)					
	Type	D		R / Z (Rubber) / (Casting)	U (Urethane)												R	U	Z	R	U	Z			
Swivel	CPBR (Without Bearing) CPBR-B (With Bearing)	75	R U Z	(Rubber) (Urethane) (Casting)	32	30	112.5	91	91	65	65	-	-	11	7	25	70	700	1400	1400	1150	1300	1350		
		100			35	33	144	95	100	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		125			38	36	175	110	110	80	90	90	-	-	-	-	-	-	-	-	-	-	-	-	-
		150			40	38	198	120	120	90	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		200			44	42	250	148	148	112	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		250			48	46	300	180	180	140	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		300			50	48	350	204	204	160	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fixed	CPBK (Without Bearing) CPBK-B (With Bearing)	75	R U Z	(Rubber) (Urethane) (Casting)	32	30	112.5	95	57	75	-	-	-	-	-	-	-	700	1400	1400	850	1000	1050		
		100			35	33	144	105	70	80	45	-	-	-	-	-	-	-	-	-	-	-	-		
		125			38	36	175	125	81	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		150			40	38	198	130	86	100	56	-	-	-	-	-	-	-	-	-	-	-	-	-	
		200			44	42	250	142	93	112	63	-	-	-	-	-	-	-	-	-	-	-	-	-	
		250			48	46	300	190	88	160	60	-	-	-	-	-	-	-	-	-	-	-	-	-	
		300			50	48	350	206	92	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trailered Use, Swivel	CPBRN (With Thrust Bearing)	100	R U Z	(Rubber) (Urethane) (Casting)	35	33	140	112	112	71	90	71	90	10	8	35	85	1000	2100	1900	2280	2650	2750		
		150			40	38	195	129	90	105	90	105	12	9	45	120	1800	3500	3500	4290	4900	5400			
		200			44	42	250	146	146	112	120	112	120	12	9	55	155	2200	4900	4900	6510	7300	7800		
		250			48	46	300	176	176	134	144	134	144	15	10	65	190	3000	6500	6500	11000	12300	12400		

Ordering Example	Part Number	-	Wheel Material
	CPBR100	-	R
	CPBK-B150	-	Z

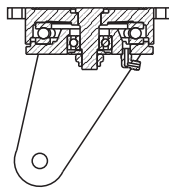
Rotational Torque

D	Rotational Torque (N)		Test Load (N)
	CPBR (Standard Type)	CPBRN (Trailered Use Type)	
100	186	146	1000
150	318	212	1800
200	329	228	2200
250	554	422	3000

Above values are for reference only.



<Test Overview>



<Structure of Thrust Bearing>

As opposed to the standard casters with a simplified structure with ball bearings in grooves, the Trailered Use Type has preloading thrust bearings for better swiveling characteristics, and can be towed by powered tractor devices.

Features

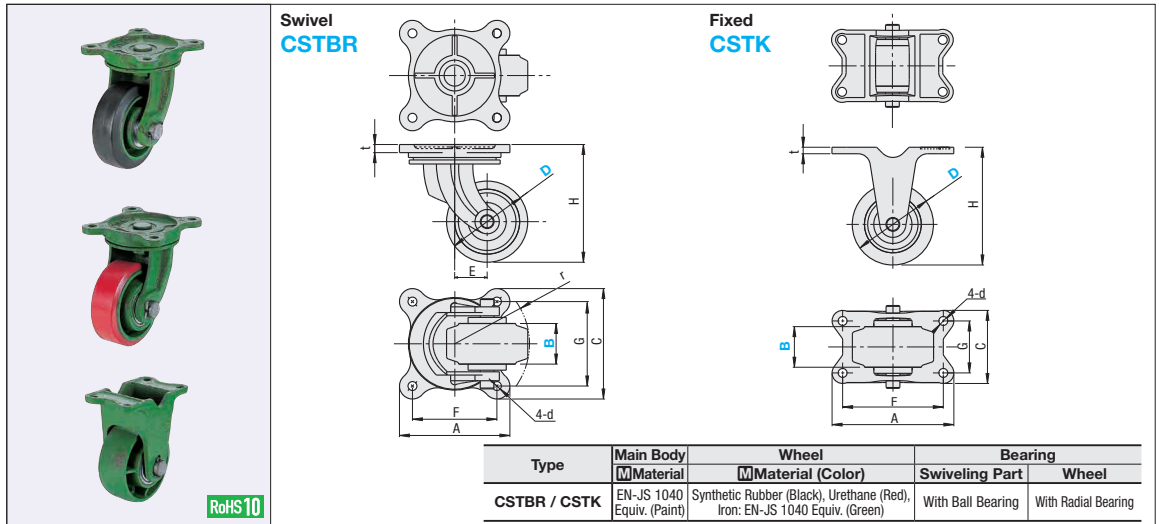
- Compared with iron casters, it is excellent in durability and it can be used to move heavy objects in severe conditions.

Operating Environment

- Washing with water or soaking in seawater may result in early oxidation and corrosion.
- Exposure to acid, salt, alkali and other chemicals or oil may cause deterioration.
- Please use within the temperature ranges between -5 and 60°C.

Caution

- A maximum load cannot be sustained if a road surface is severely uneven.
- Avoid traction by a motor power (except for the trailered use type).
- A caster should be fastened firmly to prevent rattling.
- Ex.) When thread diameter is M12, the proper torque is 220 ~ 500Kgf/cm.
- Load must be applied vertically to a caster.



Swivel

Part Number	Type	D	Wheel Material	B (Wheel Width)			H	A	C	F	G	d	t	E	r	Mass (g)		
				R	U	Z										R	U	Z
CSTBR	R (Rubber) U (Urethane) Z (Casting)	100	R (Rubber) U (Urethane) Z (Casting)	50	65	50	145	136	136	104	104	11	10	40	94	4400	3950	-
		125		50	65	50	178	142	142	110	110	14	11	45	110	6300	6200	6850
		150		50	65	75	205	161	161	125	125	14	11	50	129	7400	7550	8900
		200		50	65	75	260	172	172	136	136	14	11	60	164	11800	15100	-
		250		65	75	90	315	195	195	155	155	15	13	65	194	17050	17850	-
		300		75	90	100	365	210	210	170	170	16	14	75	228	26500	29000	33900
		300		75	90	100	365	210	210	170	170	16	14	75	228	26500	29000	33900

* When B (width of wheel) is 100, then 360. * When B (width of wheel) is 100, then 212. * When B (width of wheel) is 100, then 70.

Fixed

Part Number		Wheel Material	B (Wheel Width)			H	Mounting Dimensions												d	t	Mass (g)			
Type	D		R	U	Z		A	C	F	G	A	C	F	G	A	C	F	G			R	U	Z	
CSTK	100	R (Rubber) U (Urethane) Z (Casting)	50	50	-	145	150	99	124	64	150	99	124	64	-	-	-	-	11	8	3450	2900	-	
			65	-	-		150	103	125	78	-	-	-	-	-	-	-	-						
	125		50	50	50	178	166	90	140	64	166	90	140	64	166	90	140	64	9	4950	-	5500		
			65	-	65		165	104	140	78	-	-	-	165	104	140	78							
	150		50	50	50	205	188	98	152	64	188	98	152	64	188	98	152	64	14	10	6300	6700	8150	
			65	65	65		188	113	152	78	188	113	152	78	188	113	152	78						
	200		75	75	75	260	188	121	152	86	188	121	152	86	188	121	152	86	15	12	9050	12350	10300	
			50	50	-		209	99	174	64	209	99	174	64	-	-	-	-						
	250		65	65	-	315	209	115	174	78	209	115	174	78	-	-	-	-	16	16	21350	23850	16650	
			75	75	75		209	120	174	86	209	120	174	86	209	120	174	86						
	300		90	90	-	*365	209	136	174	100	209	136	174	100	-	-	-	-	16	16	21350	23850	16650	
			65	65	65		220	114	184	78	220	114	184	78	220	114	184	78						
					75	75	75	220	122	184	86	220	122	184	86	220	122	184	86					
					90	90	-	220	138	184	102	220	138	184	102	-	-	-						
					75	75	75	230	123	194	86	230	123	194	86	230	123	194	86					
					90	90	-	230	138	194	102	230	138	194	102	-	-	-						
			100	100	-	232	192	192	151	232	192	192	151	-	-	-								

* When B (width of wheel) is 100, then 360.

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