Instructions for Choice and Use of Castors.

Туре			CAFF				CAF5						CAF8						CAG1				
																			Ū				
	Wheel Covering		Uret	hane(The	Urethane (Thermosetting)											Thermoplastic elastomer(anti-trace)							
Material	⊢		Bolyamida				Snore A95						Polyamide					Shore ASS					
	⊢	wheel Body	Folyallilue																Polypropylerie				
		Bearing		Steel (Tube)				Steel (Tube) Steel (Ball bearing)						Steel (Tube)						Steel (Tube)			
		Bracket	Steel or stainless steel		el St	Steel		Ste			eel			Steel Steel or stainless steel			Steel		Steel			I	
ensior	W	/heel Dia.(φmm)	80	100 12	5 1	50	80	100	12	25	150	200	65	80	100	125	15	50	80	100	125	1	50
Din	0	verall Height (mm)	107	128 15	5 188	194	107	128	156	161	200	250	100	107	128	156	188	194	107	128	156	188	194
		Fixed	0								_		0										
	L	Swivel Bracket			-	0		\sim			0			0		-	0		\sim		-	0	
Type	SN	vivel Bracket with Brake	(Ava	ailable)								-										
	SWIN	el Bracket with Through Hole			0	-					-			-		Ο	-				0	-	
	SWNE	Swivel bracket with firtugin fulle and brake											-						-				
	SW	al Preskat with Stud and Preka	– (Unavailable)				_					-					-						
-	Allowable Carrying Load (N)		1 2001 7002 200 3 000			2 000 2 2003 5006 00017 500					1 2001 8002 0002 200 3 000				00	700 1 000 1 200 1 800							
	On	perational Load (N) *)	1 2001 7002 300 2 800						3 600	ann	900 1 500 1 750 2 000 2 500			700 1,000 1,200 1,800			800						
_ ا		Tile					Recommended					Recommended					100	1,000	1,200	5	000		
ation		a Asphalt		Recommended								Tolerated					Recommended						
ormé	Type	Cement / Resin																					
Inf	Įğ	Unpaved	Not recommended				Not recommended										Not recommended						
iical	Ē	Expanded Metal	Tolerated			Talaustad					1	Not recommended Recon						nme	mended				
chr		With Chips, Obstacles, etc.	No	t recom	TOIErateu												Not recommended						
Ч	Agg	gressive Chemicals **)		Tolera	Tolerated					Recommended					Recommended								
	Reco	mmended Working Temperature(°C) ***)	-20	or higher	-20 or higher to under 40					-20 or higher to under 40					0 or higher to under 40								
	Reco	mmended Working Speed(km/h)***)	0	or higher t	0 or higher to under 4					0 or higher to under 4					0 or higher to under 4								
Features :			 Suitable for use in environments where alcohols, glycols, weak organic acids, mineral acids, water or saturated vapor are present. Excellent smoothness and elasticity Good wear resistance 				Suitable for use in environments where alcohols or glycols is present. It is not recommended to use these castors in environments where organic acids, mineral acids, basic solvents or saturated vapor are present. Excellent smoothness and elasticity With user prictance.						Suitable for use in humid environments where aggressive chemicals are present. It is not recommended to use these castors in environments where strong organic acids or concentrated minerals are present. Funding transmissioners					 Suitable for use in humid environments where aggressive chemicals are present. It is not recommended to use these castors in environments where organic acids, chlorinated solvents, hydrocarbons or mineral oils. 					

Manual Traction (using 4 castors)

Determine a wheel diameter based on the values calculated by the follwoing formulas.



When both of these options are indentical, this option is the proper wheeel diameter.

% For other cases, see Instructions for Choice and Use of Castors (2)

- Q : Allowable Carrying Load (N)
- S : Operational Load (N)
- Pu: Weight of carried object (N)
- Pc: Weight of transport equipment (N) m : No. of castors in contact with the floor
 - For transport of solids, m = 3 (3 castors are always in contact with the floor) For transport of liquids, m = 2 (2 castors are alternately in contact with the floor)

		CAE2									CAE3							CAC7			
Туре			J									ð							C		
	w l	heel Covering	Nitrile rubber									Nitrile rubber (NBR)							Vulcanized rubber		
_			Shore A83									Shore A83							(anti-trace)		
erië	<u>'</u>	Wheel Body	Polypropylene									Steel							Polyamide		
n Mai	Bearing		Steel (Tube)									Steel (Tube) Polyamide(dry bearing)						Steel (Tube)			
lsio	Bracket		Steel									St	Steel								
mer	W	heel Dia. (ϕ mm)	80	100	125	150	18	80	20	00	80	100	125	150	20	00	50	60	80		
ā	Ov	verall Height (mm)	107	128	156	182	214	219	236	240	107	128	156	182	236	240	67	83	104		
	Fixed																				
	Swivel Bracket						-	0	-	0					-	0					
e	Swivel Bracket with Brake			C)						0					_					
Typ	Swivel Bracket with Through Hole			(Avail	able)		0 -		0					0			0				
	Swivel Bracket with Through Hole and Brake									-					0	-					
	Swiv	el Bracket with Stud				-	_				_										
	Swive	I Bracket with Stud and Brake	(Unavailable)											_							
	Allowable Carrying Load (N)		650	800	1,100	1,300	1,8	300	2,2	250	650	800	1,300	1,700	2,300		350	500	550		
	Operational Load (N) *)		500	750	850	1,000	1,300		1,400		600	750	850	1,000	1,4	-00					
u		Tile																			
latio	e	Asphalt																			
orn	Typ	Cement / Resin	Recommended									R	ecom								
Inf	oor	Unpaved																			
lica	Ē	Expanded Metal																-			
chr		With Chips, Obstacles, etc.		Not recommended Not r								lot recommended									
Ъ	Agg	ressive Chemicals **)	Not recommended								Not recommended										
	Recom	nended Working Temperature(°C) ***)	-20 or higher to under 40								-20 or higher to under 40										
	Recorr	mended Working Speed(km/h)***)	0 or higher to under 4								0 or higher to under 4										
Features :			Suitable for use in humid environments. 'May be mounted on different types of trolleys for light-to-medium loads. solvents								ecommended to use these castors in nents where organic acids, chlorinated , hydrocarbons, or mineral oils.							•Use for general purposes. •Smallest type in size			

*) Max. load for one castor to support under the conditions below •No. of castors used : 4

•Tractional force = 50N (200N/4 castors)

*200N is regarded as the max. load that may be towed by the operator for long hours.

·Speed = constant speed lower than 4km/h

Installation

 Install properly to avoid the mounting screw from loosening.
 Ensure that there is no clearance between the bracket plate and the transport equipment.

•Ensure that the load is applied perpendicularly.

•For the swivel type, ensure that the mounting axis is perpedicular. •For the fixed type, ensure that all castors used are parallel to each other in the traveling direction.

•For the Through Hole type, installation after removing the wheel increase operating efficiency.

**) Aggressive chemicals are weak acids, strong acids, weak alkalis, strong alkalis, chlorinated aromatic solvents, hydrocarbons and alcohol.

***) Use beyond these ranges can be accepted but the allowable carrying load and the operational load will be reduced. For details, see Instructions for Choice and Use of Castors (2)

Brake

·Do not apply the brake during travel.

•Do not run castors with the brake applied or leave them on the slope.

Maintenance

Have a periodic check on the following items and repair or change castors as needed.

- ·Crack or loose on the wheel axis, bracket, etc.
- ·Damage or wear on the wheel, brake, etc.