

# Casters for Aluminum Extrusions / Integrated Casters & Leveling Mounts

With Corner Mounting Plate

Side Mount

**Casters for Aluminum Extrusions - Corner Angle Light Load Type**

**HSMC** (Swivel) **HSMCS** (Swivel with Stopper)

Type	Caster	Wheel	Bearing
	M Material   S Surface Treatment	M Material	Swiveling Part   Wheel Part
HSMC	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate	Synthetic Rubber (Black)	Provided   Not Provided
HSMCS	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate	Nylon (White), Urethane (Brown)	Provided   Not Provided

The "r" indicates the swivel radius of the wheel and turning radius of the pedal.

Body Type	Part Number Type	D	Wheel Material	Extrusion	H	B	d	E	r	Mass (g)		
										R	N	U
Swivel	HSMC	50	R (Rubber)	HFS5-2020	70	28	5.3	27	53	462	437	-
		65		HFS6-3030	85	25	6.5	60	526	460	475	
		75		HFS8-4040, 8-4545	93	25	8.8	28	66	552	458	478
Swivel with Stopper	HSMCS	50	U (Urethane)	HFS5-2020	70	28	5.3	27	67	521	496	-
		65		HFS6-3030	85	25	6.5	27	68	538	472	487
		75		HFS8-4040, 8-4545	93	25	8.8	28	604	510	530	

**Ordering Example** Part Number - Wheel Material  
HSMC75 - R

**Allowable Load**

Part Number Type	D	R	N	U
HSMC	50	500	600	-
	65	500	700	600
	75	600	800	700
HSMCS	50	500	600	-
	65	500	700	600
	75	600	800	700

**Casters for Aluminum Extrusions - Corner Angle Heavy Load Type**

**HCHJF** (Swivel) **HCHJS** (Swivel with Stopper)

Type	Caster	Wheel	Bearing
	M Material   S Surface Treatment	M Material	Swiveling Part   Wheel Part
HCHJF	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate	Reinforced Nylon (Black)	Provided   Provided
HCHJS	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate	Phenol (Black)	Provided   Provided

Body Type	Part Number Type	D	Wheel Material	Extrusion	H	r	Allowable Load (N)	Mass (g)	Unit Price	
									N	P
Swivel	HCHJF	65	N (Reinforced Nylon)	HFS6-3030	92	57	2000	1170	-	-
		75		HFS8-4040	106	61	2000	1270	-	-
		65		HFS8-4545	92	67	2000	750	-	-
Swivel with Stopper	HCHJS	65	P (Phenol)	HFS6-3030	92	57	2000	1170	-	-
		75		HFS8-4040	106	61	2000	1270	-	-

The shape of dust proof ring has been changed as of April 1, 2014 to improve swiveling characteristics.

**Ordering Example** Part Number - Wheel Material  
HCHJF65 - N

**Integrated Casters & Leveling Mounts**

**HCFY** **HCFYM** **HCFYD**

Type	Wheel Material	Caster	Jack Bolt
	M Material   S Surface Treatment	M Material   S Surface Treatment	M Material   S Surface Treatment
HCFY	Nylon	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate (Black)	EN 1.0038 Equiv.   Trivalent Chromate
HCFYM	MC Nylon	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate (Black)	EN 1.0038 Equiv.   Trivalent Chromate
HCFYD	Conductive MC Nylon	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate (Black)	EN 1.0038 Equiv.   Trivalent Chromate

**Ordering Example** Part Number - Wheel Material  
HCFY6-130

Part Number Type	No.	Load	Allowable Load (kg)	Mass (g)	Screw, Nut		Unit Price 1 - 50 pc(s).			
					Screw	Nut	HCFY	HCFYM	HCFYD	
HCFY	6	130	130	1275	4	HNTT6-6	4			
HCFYM										
HCFYD										

For orders larger than indicated quantity, please check with WOS.

**Anchor Bracket (P.845)**

Use a washer between the extrusion and the anchor bracket.

Features: Installable on the aluminum extrusions by simply tightening screws from the side. Not necessary for workers to crawl on the ground to do dangerous work in the same way as for the existing products. (P831)  
-Excellent in holding lateral load and stability due to the side plate holding mechanism.  
-Quake-resistant capability can be obtained by mounting optional anchor brackets (P845) and anchor bolts.

# Casters for Aluminum Extrusions / Antivibration Casters for Aluminum Extrusions

With Leveling Mounts

**Casters for Aluminum Extrusions with Leveling Mounts Light Load Type**

**CMPAL** (Swivel with Plate) **CMPAN** (Swivel Screwed Fit)

**Mounting**

**CMPAL**

- Mount the upper plate to the mating extrusion.
- Turn Nut ② to adjust the height of the leveling mount.
- Tighten the Nut ③ located right above the leveling pad upward to fix the pad.

**CMPAN**

- Turn Nut ① to attach the main body to the extrusion.
- Turn Nut ② to adjust the height of the leveling mount. (Nut ① and ② are not one unit.)
- Tighten the Nut ③ located right above the leveling pad upward to fix the pad.

Type	Caster	Wheel	Bearing	Leveling Mount
	M Material   S Surface Treatment	M Material	Swiveling Part   Wheel Part	M Material   S Surface Treatment
CMPAL	Nylon	-	Nylon	Provided
CMPAN	Nylon	-	Nylon	Provided

Body Type	Part Number Type	D	Wheel Material	H	B	(W)	d	(r)	Allowable Load (N)	Mass (g)	Unit Price
		60	88	69	37	61					

Body Type	Part Number Type	D	Wheel Material	H	B	(W)	r	Allowable Load (N)	Mass (g)	Unit Price
		60	81	69	37	61				

**Ordering Example** Part Number - Wheel Material  
CMPAN50 - N

**Casters for Aluminum Extrusions with Leveling Mounts Heavy Load Type**

**HCMAS** (Swivel)

Type	Caster	Wheel	Bearing
	M Material   S Surface Treatment	M Material	Swiveling Part   Wheel Part
HCMAS	EN 1.0320 Equiv. (hot coiled)   Trivalent Chromate	Reinforced Nylon (Black)	Provided   Provided

Body Type	Part Number Type	D	Wheel Material	Extrusion	H	r	Leveling Mount L	E	Allowable Load (N)	Mass (g)	Unit Price			
												Swivel	HCMAS	50
		65	HFS8-4040	95	84	18.8	51	2290						
		65	HFS8-4545	95	84	18.8	51	2290						

**Ordering Example** Part Number - Wheel Material  
HCMAS65 - N

Features: Has an effect to absorb vibration generated from aluminum extrusion units.

**Antivibration Casters**

**AFCLA**

① Adjusting Knob ② Adjusting Nut ③ Lock Nut

Type	Caster	Wheel	Leveling Mount	Pad	Adjusting Knob	Bearing
	M Material   S Surface Treatment	M Material	M Material   S Surface Treatment	M Material	M Material	Swiveling Part   Wheel Part
AFCLA	EN AC-46100 Equiv.   Baked Finish (Silver)	Reinforced Nylon (Black)	EN 1.0038 Equiv.   Trivalent Chromate	Rubber (Shore A80)	Polycarbonate	Provided   Provided

**Design Application Pending** **Ordering Example** Part Number - Wheel Material  
AFCLA75 - N

Part Number Type	D	Wheel Material	H	Extrusion	Leveling Mount			E	r	Allowable Load (N)	Mass (g)	Unit Price 1 - 50 pc(s).
					S1	S2	K					
AFCLA	65	N (Reinforced Nylon)	102	(30, 40, 45 Sq.)	9	11	52	50	80	2000	1900	
					12	12	54					

**How to Use**

① Adjusting Knob ② Adjusting Nut ③ Lock Nut

\* Adjusting Knob and Adjusting Nut are integrated.

**Fixed**

- Turn the knob to lower the pad to the ground. (Temporary tightening)
- After confirming the height, fully tighten the nut beneath the knob. Standing on the pad only, the caster is elevated above the ground.
- Tighten the lock nut. (Torque applied by the lock nut gives loosening prevention effect against vibration.)

**Free**

- Loosen the lock nut.
- Loosen the adjusting nut to release the screw.
- Turn the knob to raise the pad and lower the caster to the ground.

For orders larger than indicated quantity, please check with WOS.