


Casters for Aluminum Extrusions

Antivibration Casters

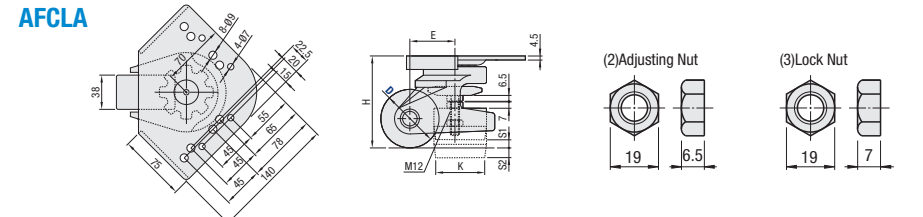
Feature: Has an effect to absorb vibration generated from aluminum extrusion units.

Casters for Aluminum Extrusions – Antivibration Casters



RoHS10 Design Application Pending

AFCLA



| Type | Caster | | Wheel | Leveling Mount | | Pad | (1) Adjusting Knob | Bearing | |
|-------|------------------------------|-----------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|----------------|------------|
| | Material | Surface Treatment | Material | Material | Surface Treatment | Material | Material | Swiveling Part | Wheel Part |
| AFCLA | Aluminum Casting Alloy 383.0 | Baked Finish (Silver) | Reinforced Nylon (Black) | 1018 Carbon Steel | Trivalent Chromate | Rubber (Shore A80) | Polycarbonate | Provided | Provided |

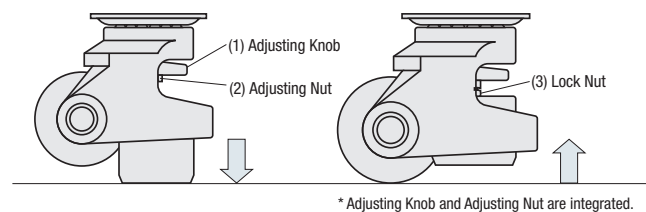
| Part Number | Type | D | Wheel Material | H | Extrusion | Leveling Mount | | | E | r | Allowable Load (N) | Mass (g) |
|-------------|------|----|-------------------------|-----|------------------|----------------|----------------|----|----|----|--------------------|----------|
| | | | | | | S ₁ | S ₂ | K | | | | |
| AFCLA | | 65 | N (Reinforced Nylon) | 102 | (30, 40, 45 Sq.) | 9 | 11 | 52 | 50 | 80 | 2000 | 1900 |
| | | 75 | | 120 | | 12 | 12 | 54 | 52 | 92 | 2500 | 2200 |

⊖ Only applicable to One-slot Type Extrusions only.

Part Number Example

Part Number: **AFCLA75** - Wheel Material: **N**

How to Use



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.

Casters with Leveling Mounts

Compact / Light Load



Casters with Leveling Mounts – Compact

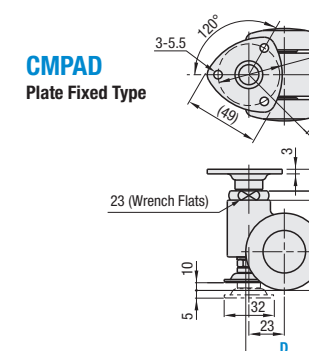


RoHS10

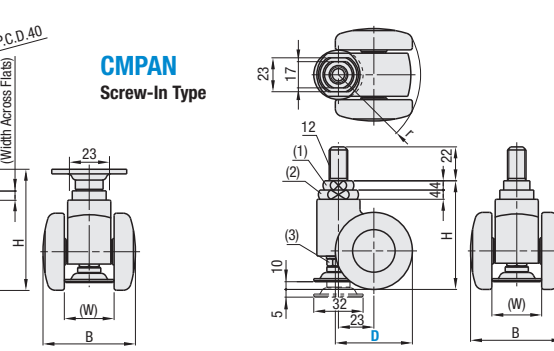
| Type | Body | | Wheel | Adjuster | |
|----------------|----------|-------------------|----------|-------------------|--------------------|
| | Material | Surface Treatment | Material | Material | Surface Treatment |
| CMPAD CMPAN | Nylon | | Nylon | 1018 Carbon Steel | Trivalent Chromate |

- Rotate Nut 1 and mount a caster on the mating surface.
- Rotate Nut 2 to adjust the height of the leveling mount. (Nut 1 and 2 are not integrated.)
- Tighten Nut 3 to lock the thread.

CMPAD Plate Fixed Type




CMPAN Screw-In Type



| Body | Part Number | Type | D | Wheel Material | H | B | (W) | (r) | Allowable Load (N) | Mass (g) | Body | Part Number | Type | D | Wheel Material | H | B | (W) | (r) | Allowable Load (N) | Mass (g) |
|--------|-------------|------|----|----------------|----|----|-----|-----|--------------------|----------|-------------------|-------------|------|---|----------------|----|----|-----|-----|--------------------|----------|
| | | | | | | | | | | | | | | | | | | | | | |
| Swivel | CMPAD | | 50 | N Nylon | 83 | 62 | 34 | 54 | 1000 | 270 | Swivel + Screw-In | CMPAN | 50 | N | 81 | 69 | 37 | 61 | | 1000 | 250 |
| | | | 60 | | 88 | 69 | 37 | 61 | | | | | | | | | | | | | |

Casters with Leveling Mounts – Light Load



RoHS10

| Type | Body | | Wheel | Adjuster | Bearings | |
|------|------------------|-------------------|----------|-----------------|--------------|--------------|
| | Material | Surface Treatment | Material | Material | Swiveling | Wheel |
| CMAF | Low Carbon Steel | Black Chromate | Phenol | Neoprene Rubber | Incorporated | Incorporated |

How to Fix Casters from Swiveling

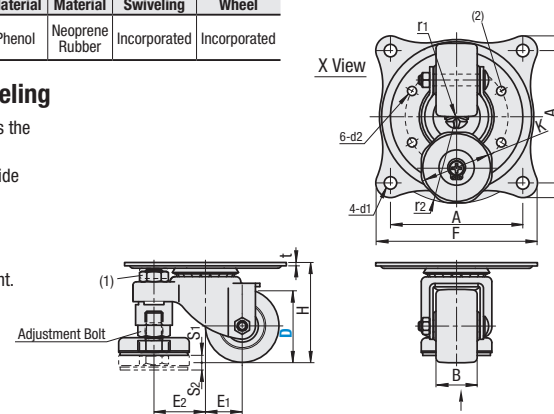
- Turn the nut marked (1) up until it contacts the upper plate.
- After step (1), insert pins from the upper side of the plate to lock caster.

Installation Method

- Lower the adjusting bolt to a desired height.
- Turn the nut (1) up and fix a location. (Recommended Pin Diameter)

| | | |
|-----|----|-----------|
| D50 | Ø6 | O.A.L. 20 |
| 65 | Ø8 | O.A.L. 25 |
| 75 | Ø8 | O.A.L. 35 |

⊖ The pin is not included.



| Part Number | Type | D | Wheel Material | B | H | F | A | S ₁ | S ₂ | d ₁ | d ₂ | t | E ₁ | E ₂ | r ₁ | r ₂ | Allowable Load (N) | Part Number | Wheel Material |
|-------------|------|----|----------------|----|-----|-----|-----|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|--------------------|-------------|----------------|
| | | | | | | | | | | | | | | | | | | | |
| CMAF | | 50 | F Phenol | 28 | 68 | 110 | 90 | 5 | 5 | 8.5 | 6.2 | 2.3 | 25 | 35 | 53 | 61 | 1500 | CMAF65 | F |
| | | 65 | | 36 | 92 | 144 | 125 | 10 | 10 | 10.5 | 8.2 | 3.2 | 25 | 49 | 61 | 75 | 2000 | | |
| | | 75 | | 36 | 106 | 144 | 125 | 10 | 10 | 10.5 | 8.2 | 3.2 | 28 | 49 | 69 | 75 | 2100 | | |

Part Number Example

Part Number: **CMPAD50** - Wheel Material: **N**

Part Number: **CMAF65** - Wheel Material: **F**