

# Casters for Aluminum Extrusions

## Double Wheels Swivel, Screw-in

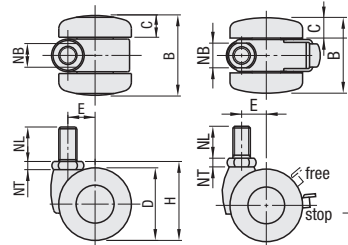
### Double Wheels Swivel



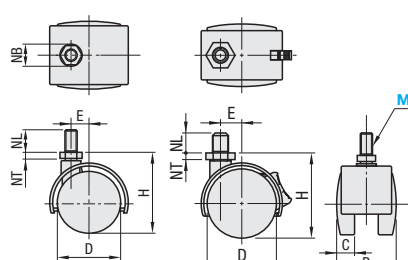
RoHS10

| Type        | Caster |   | Wheel |   | Bearing        |            |
|-------------|--------|---|-------|---|----------------|------------|
|             | M      | S | M     | S | Swiveling Part | Wheel Part |
| HCHA, HCHAS | Nylon  | - | Nylon | - | -              | -          |

**HCHA** (8-40, 8-60, 8-100, 12-60, 12-100, 12-150, 16-150, 16-170)



**HCHAS** (8-20, 8-30, 12-20, 12-30)



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

| Part Number                     | Type | M (Coarse) | Allowable Load |     | D    | H  | A  | B    | C  | E  | NB  | NT | NL | HCHA       |                      | HCHAS      |                      |
|---------------------------------|------|------------|----------------|-----|------|----|----|------|----|----|-----|----|----|------------|----------------------|------------|----------------------|
|                                 |      |            | (kgf)          | (N) |      |    |    |      |    |    |     |    |    | Unit Price | Volume Discount Rate | Unit Price | Volume Discount Rate |
| HCHA<br>HCHAS<br>(With Stopper) | 8    | 20*        | 196            | 40  | 50   | -  | 41 | 13   | 15 | 13 | 4   | 15 |    |            |                      |            |                      |
|                                 |      | 30*        | 294            | 50  | 60   | -  | 45 | 14   | 18 | 14 | 4.5 | 12 |    |            |                      |            |                      |
|                                 |      | 40         | 396            | 40  | 43.5 | 7  | 44 | 12   | 15 | 14 | 4.5 | 12 |    |            |                      |            |                      |
|                                 |      | 60         | 594            | 50  | 57.5 | 8  | 49 | 14   | 17 | 17 | 6   | 14 |    |            |                      |            |                      |
|                                 |      | 100        | 990            | 60  | 68.5 |    |    |      |    |    |     |    |    |            |                      |            |                      |
|                                 |      | 120        | 1188           | 70  | 80.5 |    |    |      |    |    |     |    |    |            |                      |            |                      |
|                                 | 12   | 20*        | 196            | 40  | 50   | -  | 41 | 13   | 15 | 19 | 4   | 15 |    |            |                      |            |                      |
|                                 |      | 30*        | 294            | 50  | 60   | -  | 45 | 14   | 18 | 17 | 6   | 14 |    |            |                      |            |                      |
|                                 |      | 40         | 396            | 40  | 43.5 | 7  | 44 | 12   | 15 | 14 | 4.5 | 12 |    |            |                      |            |                      |
|                                 |      | 60         | 594            | 50  | 57.5 | 8  | 49 | 14   | 17 | 17 | 6   | 14 |    |            |                      |            |                      |
|                                 |      | 100        | 990            | 60  | 68.5 |    |    |      |    |    |     |    |    |            |                      |            |                      |
|                                 |      | 120        | 1188           | 70  | 80.5 |    |    |      |    |    |     |    |    |            |                      |            |                      |
|                                 | 16   | 150        | 1485           | 60  | 69   | 10 | 59 | 17.5 | 20 | 22 | 8   | 25 |    |            |                      |            |                      |
|                                 |      | 170        | 1683           | 75  | 84.5 |    | 64 | 18.5 | 20 |    |     |    |    |            |                      |            |                      |

Ordering Example: Part Number - W  
HCHA12 - 100

### Mounting

Turn the hex screw head at the lower part of wheel, (the part shown with A) then the upper thread part of screw will turn. Tighten by the flats shown as NB.

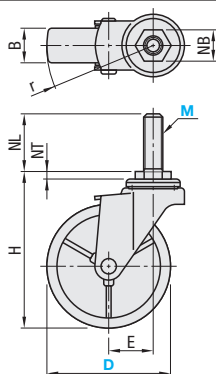
For \* marked types, install and tighten the NB part with a wrench.

### Swivel Screw-in

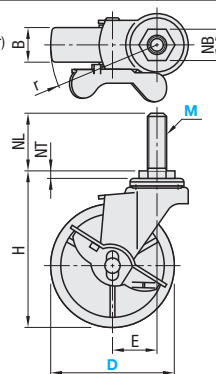


RoHS10

**HSGN**  
(Swivel Screw-in)



**HSGNS**  
(Swivel Screw-in with Stopper)



| Caster                        | Wheel              |                          | Bearing          |               |
|-------------------------------|--------------------|--------------------------|------------------|---------------|
|                               | M                  | S                        | M                | S             |
| EN 1.0320 Equiv. (hot coiled) | Trivalent Chromate | Synthetic Rubber (Black) | Urethane (Brown) | Nylon (White) |
| Provided                      | Provided           | Not Provided             | Not Provided     | Not Provided  |

| Body Type                    | Part Number |     | M<br>(Coarse) | Wheel<br>Material                                        | H   | Wheel Width B |    |    |    | E  | NB  | NT  | NL  | r   | Allowable Load (N) |     |     | Mass (g) |     |     | Unit Price |     |  |  |  |
|------------------------------|-------------|-----|---------------|----------------------------------------------------------|-----|---------------|----|----|----|----|-----|-----|-----|-----|--------------------|-----|-----|----------|-----|-----|------------|-----|--|--|--|
|                              | Type        | D   |               |                                                          |     | R             | U  | N  | R  |    |     |     |     |     | U                  | N   | R   | U        | N   | R   | U          | N   |  |  |  |
| Swivel Screw-in              | HSGN        | 50  | 8             | R<br>(Rubber)<br><br>U<br>(Urethane)<br><br>N<br>(Nylon) | 68  | 20            | 21 | 21 | 22 | 14 | 4.8 | 35  | 14  | 47  | 300                | 380 | 400 | 195      | 175 | 165 |            |     |  |  |  |
|                              |             | 12  | 85            |                                                          | 21  | 21            | 21 | 23 | 19 | 56 |     |     |     |     |                    | 270 | 220 | 210      |     |     |            |     |  |  |  |
|                              |             | 65  | 12            |                                                          | 95  | 21            | 21 | 21 | 27 | 65 |     |     | 400 | 450 | 500                | 310 | 240 | 225      |     |     |            |     |  |  |  |
|                              |             | 75  | 12            |                                                          | 126 | 25            | 28 | 25 | 31 | 21 |     |     | 40  | 82  | 500                | 600 | 600 | 585      | 435 | 405 |            |     |  |  |  |
|                              |             | 100 | 16            |                                                          | 126 | 25            | 28 | 25 | 31 | 23 | 4   | 40  | 82  | 500 | 600                | 600 | 585 | 435      | 405 |     |            |     |  |  |  |
| Swivel Screw-in with Stopper | HSGNS       | 50  | 8             |                                                          |     | 68            | 20 | 21 | 21 | 22 | 14  | 4.8 | 35  | 14  | 49                 | 300 | 380 |          | 400 | 220 | 200        | 190 |  |  |  |
|                              |             | 12  | 85            |                                                          | 21  | 21            | 21 | 23 | 19 | 57 | 300 |     |     | 400 |                    | 305 | 255 | 235      |     |     |            |     |  |  |  |
|                              |             | 65  | 12            |                                                          | 95  | 21            | 21 | 21 | 27 | 65 | 400 |     |     | 450 | 500                | 340 | 275 | 250      |     |     |            |     |  |  |  |
|                              |             | 75  | 12            |                                                          | 126 | 25            | 28 | 25 | 31 | 21 | 40  |     |     | 82  | 500                | 600 | 600 | 650      | 620 | 585 |            |     |  |  |  |
|                              |             | 100 | 16            |                                                          | 126 | 25            | 28 | 25 | 31 | 23 | 4   | 40  | 82  | 500 | 600                | 600 | 650 | 620      | 585 |     |            |     |  |  |  |

Ordering Example: Part Number - M - Wheel Material  
HSGN75 - 12 - U

# Casters for Aluminum Extrusions / Side Mount Caster Brackets / Mounting Plates for Casters & Leveling Mounts

## Rubber Wheel

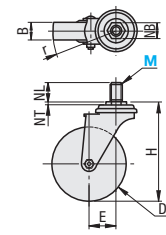
### Rubber Wheel



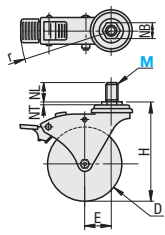
RoHS10

| Caster                        | Wheel              |                          | Bearing  |          |
|-------------------------------|--------------------|--------------------------|----------|----------|
|                               | M                  | S                        | M        | S        |
| EN 1.0320 Equiv. (hot coiled) | Trivalent Chromate | Synthetic Rubber (Black) | Provided | Provided |

**HSMA**



**HSMAS**



| Body Type           | Part Number |            | Allowable Load |       | D   | H   | B  | E  | NB | NT | NL | r   | Mass (g) | Unit Price |
|---------------------|-------------|------------|----------------|-------|-----|-----|----|----|----|----|----|-----|----------|------------|
|                     | Type        | M (Coarse) | W (kgf)        | W (N) |     |     |    |    |    |    |    |     |          |            |
| Swivel              | HSMA        | 12         | 60             | 594   | 75  | 105 | 25 | 30 | 23 | 4  | 25 | 72  | 500      |            |
|                     |             | 16         | 70             | 695   | 100 | 137 | 25 | 35 | 23 | 4  | 25 | 89  | 700      |            |
| Swivel with Stopper | HSMAS       | 12         | 60             | 594   | 75  | 105 | 25 | 30 | 23 | 4  | 25 | 105 | 640      |            |
|                     |             | 16         | 70             | 695   | 100 | 137 | 25 | 35 | 23 | 4  | 25 | 128 | 950      |            |

Ordering Example: Part Number - W  
HSMAS16 - 70

### Side Mount Caster Brackets

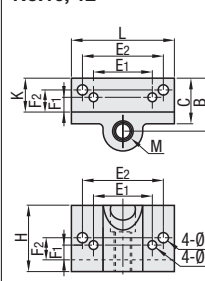


For mounting hole configurable type, see P.1084.

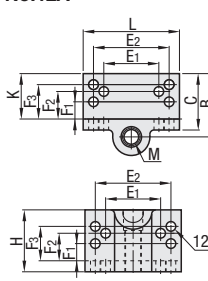
RoHS10

**CPHAL**

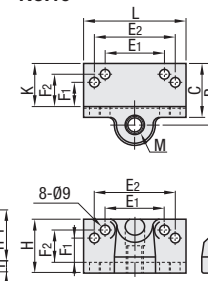
No.10, 12



No.12A



No.16



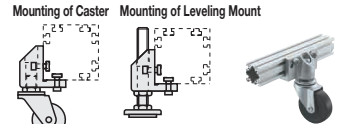
Material: EN AC-46100 Equiv. Surface Treatment: Baked Finish (Silver)

| Part Number | Type | No. | Extrusion (Single Slot)         | M (Coarse) | H  | L  | B  | K  | C  | T  | D  | G  | Mounting Hole Dimension |    |      |    |    | Mass (g) | Unit Price |
|-------------|------|-----|---------------------------------|------------|----|----|----|----|----|----|----|----|-------------------------|----|------|----|----|----------|------------|
|             |      |     |                                 |            |    |    |    |    |    |    |    |    | E1                      | E2 | F1   | F2 | F3 |          |            |
| CPHAL       |      | 10  | 20 Square, 30 Square            | 10         | 45 | 70 | 36 | 23 | 31 | 8  | 14 | 13 | 40                      | 55 | 10   | 15 | -  | 135      |            |
|             |      | 12  | 25 Square, 40 Square, 50 Square | 12         | 45 | 70 | 46 | 33 | 41 | 8  | 14 | 13 | 40                      | 55 | 10   | 15 | -  | 165      |            |
|             |      | 12A | 25 Square, 40 Square, 50 Square | 12         | 45 | 70 | 46 | 33 | 41 | 8  | 14 | 13 | 40                      | 55 | 10   | 15 | -  | 165      |            |
|             |      | 16  | 45 Square, 60 Square            | 16         | 50 | 95 | 57 | 40 | 50 | 10 | 20 | 17 | 55                      | 75 | 22.5 | 30 | -  | 285      |            |

\* 5-4040 is applicable to No.10, 12, 16.

Ordering Example: Part Number  
CPHAL10

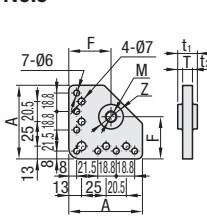
Example



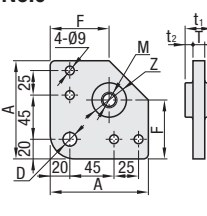
### Mounting Plates for Casters & Leveling Mounts

**HPLAT**

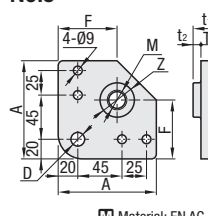
No.5



No.6



No.8



Material: EN AC-46100 Equiv.

| Part Number | Type | No. | Extrusion            | A   | T  | M  | Z  | D  | F  | t1 | t2 | Mass (g) | Unit Price | Volume Discount Rate |
|-------------|------|-----|----------------------|-----|----|----|----|----|----|----|----|----------|------------|----------------------|
|             |      |     |                      |     |    |    |    |    |    |    |    |          |            |                      |
| HPLAT       |      | 5   | 20 Square, 30 Square | 75  | 10 | 12 | 25 | -  | 43 | 20 | 5  | 120      |            |                      |
|             |      | 6   | 40 Square            | 100 | 12 | 16 | 35 | 14 | 60 | 28 | 8  | 281      |            |                      |
|             |      | 8   | 40 Square            | 100 | 12 | 20 | 35 | 14 | 60 | 28 | 8  | 273      |            |                      |

Ordering Example: Part Number  
HPLAT6