

# Series CNA2

## Mounting Bracket/Part No.

| Bore size (mm)   | 40      | 50      | 63      | 80      | 100     |
|------------------|---------|---------|---------|---------|---------|
| Axial foot *     | CA2-L04 | CA2-L05 | CA2-L06 | CA2-L08 | CA2-L10 |
| Flange           | CA2-F04 | CA2-F05 | CA2-F06 | CA2-F08 | CA2-F10 |
| Single clevis    | CA2-C04 | CA2-C05 | CA2-C06 | CA2-C08 | CA2-C10 |
| Double clevis ** | CA2-D04 | CA2-D05 | CA2-D06 | CA2-D08 | CA2-D10 |

\* When ordering axial foot bracket, order 2 pieces per cylinder.

\*\* Clevis pin, flat washer and split pin are shipped together with double clevis.

## Bellows Material

| Symbol   | Bellows material         | Max. ambient temperature |
|----------|--------------------------|--------------------------|
| <b>J</b> | Nylon tarpaulin          | 160°F                    |
| <b>K</b> | Heat resistant tarpaulin | 230°F *                  |

\* Maximum ambient temperature for bellows itself

## Accessories

| Mounting           |                                 | Basic | Axial foot | Rod flange | Head flange | Single clevis | Double clevis | Center trunnion |
|--------------------|---------------------------------|-------|------------|------------|-------------|---------------|---------------|-----------------|
| Standard equipment | Rod end nut                     | ●     | ●          | ●          | ●           | ●             | ●             | ●               |
|                    | Clevis pin                      | —     | —          | —          | —           | —             | ●             | —               |
| Option             | Single knuckle joint            | ●     | ●          | ●          | ●           | ●             | ●             | ●               |
|                    | Double knuckle joint (With pin) | ●     | ●          | ●          | ●           | ●             | ●             | ●               |
|                    | With bellows                    | ●     | ●          | ●          | ●           | ●             | ●             | ●               |

## Weight

| Bore size (mm)                             |                                 |               | 40   | 50   | 63   | 80   | 100   |
|--------------------------------------------|---------------------------------|---------------|------|------|------|------|-------|
| Basic weight                               | Basic                           | Aluminum tube | 1.65 | 2.59 | 3.94 | 7.05 | 10.37 |
|                                            |                                 | Steel tube    | 1.70 | 2.65 | 3.98 | 7.21 | 10.58 |
|                                            | Axial foot                      | Aluminum tube | 1.84 | 2.63 | 4.28 | 7.72 | 11.36 |
|                                            |                                 | Steel tube    | 1.89 | 2.67 | 4.32 | 7.88 | 11.57 |
|                                            | Flange                          | Aluminum tube | 2.02 | 2.86 | 4.73 | 8.50 | 12.29 |
|                                            |                                 | Steel tube    | 2.07 | 2.90 | 4.77 | 8.66 | 12.50 |
|                                            | Single clevis                   | Aluminum tube | 1.88 | 2.75 | 4.57 | 8.16 | 12.15 |
|                                            |                                 | Steel tube    | 1.93 | 2.79 | 4.61 | 8.32 | 12.36 |
|                                            | Double clevis                   | Aluminum tube | 1.92 | 2.84 | 4.73 | 8.45 | 12.67 |
|                                            |                                 | Steel tube    | 1.97 | 2.88 | 4.77 | 8.61 | 12.88 |
|                                            | Center trunnion                 | Aluminum tube | 2.10 | 2.94 | 4.83 | 8.75 | 12.77 |
|                                            |                                 | Steel tube    | 2.20 | 3.04 | 5.03 | 9.04 | 13.16 |
| Additional weight per each 50 mm of stroke | Mounting bracket                | Aluminum tube | 0.20 | 0.25 | 0.31 | 0.46 | 0.58  |
|                                            |                                 | Steel tube    | 0.28 | 0.35 | 0.43 | 0.70 | 0.87  |
| Accessory bracket                          | Single knuckle joint            |               | 0.23 | 0.26 | 0.26 | 0.60 | 0.83  |
|                                            | Double knuckle joint (With pin) |               | 0.37 | 0.43 | 0.43 | 0.87 | 1.27  |

Calculation: (Example) **CNA2L40-100-D** Basic weight ..... 1.84 (Axial foot, ø40)  
 Additional weight ..... 0.20/50 stroke  
 Cylinder stroke ..... 100 stroke  
 $1.84 + 0.20 \times 100/50 = 2.24$  kg