

# Cast Frame Casters

Standard / Trailer Wheel



Casters / Adjustment Pads

**Cast Frame Casters – Standard / Trailer Wheel**

RoHS 10

**Swivel Type**  
**CPBR, CPBR-B**

**Fixed Type**  
**CPBK, CPBK-B**

**Trailer Use Type**  
**CPBRN**

CPBRN Only grease nippled

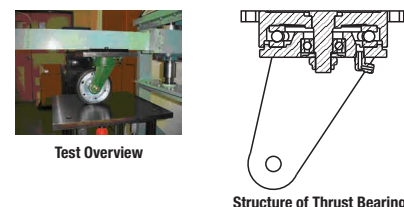
| Type            | Body Material                     | Wheel Material (Color)                | Bearings Swiveling        | Wheel                |
|-----------------|-----------------------------------|---------------------------------------|---------------------------|----------------------|
| CPBR / CPBK     | 65-45-12 S.G. Cast Iron (Coating) | Synthetic Rubber (Black)              | With Ball Bearings        | None                 |
| CPBR-B / CPBK-B |                                   | Urethane (Red)                        | With Ball Bearings        | With Radial Bearings |
| CPBRN           |                                   | Iron: 65-45-12 S.G. Cast Iron (Green) | Thrust and Radial Bearing | With Radial Bearings |

| Body Type                 | Part Number               | Wheel Material | B (Wheel Width)        |            | H     | A   | C   | F <sub>1</sub> | F <sub>2</sub> | G <sub>1</sub> | G <sub>2</sub> | d   | t  | E  | r   | Allowable Load (N) |      |      |      | Mass (g) |       |       |   |   |  |  |
|---------------------------|---------------------------|----------------|------------------------|------------|-------|-----|-----|----------------|----------------|----------------|----------------|-----|----|----|-----|--------------------|------|------|------|----------|-------|-------|---|---|--|--|
|                           |                           |                | R / Z Rubber / Casting | U Urethane |       |     |     |                |                |                |                |     |    |    |     | R                  | U    | Z    | R    | U        | Z     | R     | U | Z |  |  |
| Swivel                    | CPBR Without Bearing      | R Rubber       | 75                     | 30         | 112.5 | 91  | 91  | 65             |                |                |                |     | 11 | 7  | 25  | 70                 | 700  | 1400 | 1400 | 1150     | 1300  | 1350  |   |   |  |  |
|                           | CPBR-B With Bearing       |                | 100                    | 30         | 112.5 | 91  | 91  | 65             |                |                |                |     | 11 | 7  | 30  | 85                 | 1000 | 2100 | 1900 | 1650     | 1750  | 1850  |   |   |  |  |
|                           |                           |                | 125                    | 36         | 175   | 110 | 110 | 80             |                |                |                |     | 11 | 8  | 35  | 105                | 1500 | 2800 | 2800 | 2950     | 3050  | 3250  |   |   |  |  |
|                           |                           |                | 150                    | 38         | 198   | 120 | 120 | 90             |                |                |                |     | 11 | 8  | 40  | 120                | 1800 | 3500 | 3500 | 3650     | 3750  | 4050  |   |   |  |  |
|                           |                           |                | 200                    | 44         | 250   | 148 | 148 | 112            |                |                |                |     | 14 | 10 | 50  | 155                | 2200 | 4900 | 4900 | 5300     | 5700  | 6200  |   |   |  |  |
| Locked                    | CPBK Without Bearing      | U Urethane     | 75                     | 30         | 112.5 | 95  | 57  | 75             |                |                |                |     |    |    |     |                    | 700  | 1400 | 1400 | 850      | 1000  | 1050  |   |   |  |  |
|                           | CPBK-B With Bearing       |                | 100                    | 33         | 144   | 105 | 70  | 80             |                |                |                |     |    |    |     |                    | 1000 | 2100 | 1900 | 1450     | 1550  | 1650  |   |   |  |  |
|                           |                           |                | 125                    | 36         | 175   | 125 | 81  | 100            |                |                |                |     |    |    |     |                    | 1500 | 2800 | 2800 | 2300     | 2400  | 2600  |   |   |  |  |
|                           |                           |                | 150                    | 38         | 198   | 130 | 86  | 100            |                |                |                |     |    |    |     |                    | 1800 | 3500 | 3500 | 2900     | 3000  | 3300  |   |   |  |  |
|                           |                           |                | 200                    | 44         | 250   | 142 | 93  | 112            |                |                |                |     |    |    |     |                    | 2200 | 4900 | 4900 | 4100     | 4500  | 5000  |   |   |  |  |
| Trailer Wheel Type Swivel | CPBRN With Thrust Bearing | Z Casting      | 100                    | 35         | 140   | 112 | 112 | 71             | 90             | 71             | 90             | 10  | 8  | 35 | 85  | 1000               | 2100 | 1900 | 2280 | 2650     | 2750  |       |   |   |  |  |
|                           |                           |                | 150                    | 38         | 195   | 129 | 90  | 105            | 90             | 105            | 105            | 10  | 8  | 45 | 120 | 1800               | 3500 | 3500 | 4290 | 4900     | 5400  |       |   |   |  |  |
|                           |                           |                | 200                    | 44         | 250   | 146 | 146 | 112            | 120            | 112            | 120            | 120 | 12 | 9  | 55  | 155                | 2200 | 4900 | 4900 | 6510     | 7300  | 7800  |   |   |  |  |
|                           |                           |                | 250                    | 48         | 300   | 176 | 176 | 134            | 144            | 134            | 144            | 144 | 15 | 10 | 65  | 190                | 3000 | 6500 | 6500 | 11000    | 12300 | 12400 |   |   |  |  |
|                           |                           |                | 300                    | 48         | 300   | 176 | 176 | 134            | 144            | 134            | 144            | 144 | 15 | 10 | 65  | 190                | 3000 | 6500 | 6500 | 11000    | 12300 | 12400 |   |   |  |  |

| Part Number Example | Part Number | Wheel Material |
|---------------------|-------------|----------------|
| CPBR100             | -           | R              |
| CPBK-B150           | -           | Z              |

| D   | Rotational Torque(N) |                        | Test Load (N) |
|-----|----------------------|------------------------|---------------|
|     | CPBR Standard Type   | CPBRN Trailer Use Type |               |
| 100 | 186                  | 146                    | 1000          |
| 150 | 318                  | 212                    | 1800          |
| 200 | 329                  | 228                    | 2200          |
| 250 | 554                  | 422                    | 3000          |

⊙ Above values are for reference only.



| D   | Available Types             |   |   |                              |   |   |                    |   |   |
|-----|-----------------------------|---|---|------------------------------|---|---|--------------------|---|---|
|     | CPBR / CPBK Without Bearing |   |   | CPBR-B / CPBK-B With Bearing |   |   | CPBRN With Bearing |   |   |
|     | R                           | U | Z | R                            | U | Z | R                  | U | Z |
| 75  | •                           | • | • | •                            | • | • | •                  | • | • |
| 100 | •                           | • | • | •                            | • | • | •                  | • | • |
| 125 | •                           | • | • | •                            | • | • | •                  | • | • |
| 150 | •                           | • | • | •                            | • | • | •                  | • | • |
| 200 | •                           | • | • | •                            | • | • | •                  | • | • |
| 250 | •                           | • | • | •                            | • | • | •                  | • | • |
| 300 | •                           | • | • | •                            | • | • | •                  | • | • |
| 75  | •                           | • | • | •                            | • | • | •                  | • | • |
| 100 | •                           | • | • | •                            | • | • | •                  | • | • |
| 125 | •                           | • | • | •                            | • | • | •                  | • | • |
| 150 | •                           | • | • | •                            | • | • | •                  | • | • |
| 200 | •                           | • | • | •                            | • | • | •                  | • | • |
| 250 | •                           | • | • | •                            | • | • | •                  | • | • |
| 300 | •                           | • | • | •                            | • | • | •                  | • | • |

**Features**  
– Is comparable to Iron Casters. Has excellent durability and can be used to move heavy objects in severe conditions.

**Operating Environment**  
– Washing with water or soaking in seawater may result in oxidation and corrosion.  
– Exposure to acid, salt, alkali and other chemicals or oil may cause deterioration.  
– Please use within the temperature range of -5~60°C.

**Caution**  
– The maximum load cannot be sustained if the road surface is severely uneven.  
– Avoid traction by motor power (except for Trailer Use Type).  
– The caster should be fastened firmly to prevent rattling.  
Ex.) When thread diameter is M12, the proper torque is 220~500 Kgf/cm.  
– Load must be applied vertical to the caster.

# Cast Frame Casters

Heavy Load



Casters / Adjustment Pads

**Cast Frame Casters – Heavy Load**

RoHS 10

**Swivel Type**  
**CSTBR**

**Fixed Type**  
**CSTK**

| Type  | Body Material                     | Wheel Material (Color)  | Bearings Swiveling Part | Wheel               |
|-------|-----------------------------------|---|-------------------------|---------------------|
| CSTBR | 65-45-12 S.G. Cast Iron (Coating) | Synthetic Rubber (Black), Urethane (Red), Iron: 65-45-12 S.G. Cast Iron (Green) | With Ball Bearing       | With Radial Bearing |
| CSTK  |                                   |   |                         |                     |

## Swivel Type

| Part Number | Wheel Material | B (Wheel Width) |              |             | H          | A          | C   | F   | G   | d   | t         | E   | r     | Mass (g) |          |         |      |
|-------------|----------------|-----------------|--------------|-------------|------------|------------|-----|-----|-----|-----|-----------|-----|-------|----------|----------|---------|------|
|             |                | R (Rubber)      | U (Urethane) | Z (Casting) |            |            |     |     |     |     |           |     |       | Rubber   | Urethane | Casting |      |
| CSTBR       | R Rubber       | 100             | 50 65        | 50          | 50 65      | 145        | 136 | 136 | 104 | 104 | 11        | 10  | 40    | 94       | 4400     | 3950    | —    |
|             |                | 125             | 50 65 75     | 50 65 75    | 50 65 75   | 178        | 142 | 142 | 110 | 110 |           |     |       |          |          |         |      |
|             |                | 150             | 50 65 75 90  | 50 65 75 90 | 75         | 205        | 161 | 161 | 125 | 125 | 14        | 11  | 50    | 129      | 7400     | 7500    | 8900 |
|             |                | 200             | 65 75 90     | 65 75 90    | 65 75      | 260        | 172 | 172 | 136 | 136 |           |     |       |          |          |         |      |
|             |                | 250             | 75 90 100    | 75 90 100   | 75         | 315        | 195 | 195 | 155 | 155 |           |     |       |          |          |         |      |
| 300         | —              | —               | —            | 365 (**360) | 210 (*212) | 210 (*212) | 170 | 170 | 16  | 14  | 75 (**70) | 228 | 26500 | 29000    | 33900    |         |      |

⊙ \*When B (width of wheel) is 100, then 360. ⊙ \*\*When B (width of wheel) is 100, then 212. ⊙ \*\*\*When B (width of wheel) is 100, then 70.

## Fixed Type

| Part Number | Wheel Material | B (Wheel Width) |    |     | H   | Mounting Dimensions |     |     |     |     |     |     |     |     |     |     |    | d  | t | Mass (g) |      |   |   |   |   |   |   |
|-------------|----------------|-----------------|----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|----------|------|---|---|---|---|---|---|
|             |                | R               | U  | Z   |     | R                   |     |     |     | U   |     |     |     | Z   |     |     |    |    |   | R        | U    | Z |   |   |   |   |   |
| Type        | D              | R               | U  | Z   |     | A                   | C   | F   | G   | A   | C   | F   | G   | A   | C   | F   | G  |    |   |          |      |   |   |   |   |   |   |
| CSTK        | 100            | 50              | 50 | —   | 145 | 150                 | 99  | 124 | 64  | 150 | 99  | 124 | 64  | —   | —   | —   | —  | 11 | 8 | 3450     | 2900 | — |   |   |   |   |   |
|             |                | 65              | —  | —   |     | 150                 | 103 | 125 | 78  | —   | —   | —   | —   | —   | —   | —   | —  |    |   |          |      |   |   |   |   |   |   |
|             |                | 50              | 50 | 50  |     | 166                 | 90  | 140 | 64  | 166 | 90  | 140 | 64  | 166 | 90  | 140 | 64 |    |   |          |      |   | — | — | — | — | — |
|             |                | 65              | —  | 65  |     | 165                 | 104 | 140 | 78  | —   | —   | —   | 165 | 104 | 140 | 78  | —  |    |   |          |      |   | — | — | — | — | — |
|             |                | 65              | —  | 65  |     | 188                 | 98  | 152 | 64  | 188 | 98  | 152 | 64  | 188 | 98  | 152 | 64 |    |   |          |      |   | — | — | — | — | — |
|             | 125            | 50              | 50 | 50  | 178 | 188                 | 113 | 152 | 78  | 188 | 113 | 152 | 78  | 188 | 113 | 152 | 78 | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 188                 | 113 | 152 | 78  | 188 | 113 | 152 | 78  | 188 | 113 | 152 | 78 | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 50              | 50 | 50  |     | 205                 | 121 | 152 | 86  | 205 | 121 | 152 | 86  | 205 | 121 | 152 | 86 | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 209                 | 99  | 174 | 64  | 209 | 99  | 174 | 64  | —   | —   | —   | —  | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 209                 | 115 | 174 | 78  | 209 | 115 | 174 | 78  | —   | —   | —   | —  | —  | — | —        | —    | — |   |   |   |   |   |
|             | 150            | 50              | 50 | 75  | 205 | 188                 | 121 | 152 | 86  | 188 | 121 | 152 | 86  | 188 | 121 | 152 | 86 | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 209                 | 120 | 174 | 86  | 209 | 120 | 174 | 86  | 209 | 120 | 174 | 86 | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 75              | 75 | 75  |     | 209                 | 99  | 174 | 64  | 209 | 99  | 174 | 64  | —   | —   | —   | —  | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 209                 | 115 | 174 | 78  | 209 | 115 | 174 | 78  | —   | —   | —   | —  | —  | — | —        | —    | — |   |   |   |   |   |
|             |                | 65              | —  | 65  |     | 220                 | 114 | 184 | 78  | 220 | 114 | 184 | 78  | —   | —   | —   | —  | —  | — | —        | —    | — |   |   |   |   |   |
| 200         | 50             | 50              | —  | 260 | 209 | 120                 | 174 | 86  | 209 | 120 | 174 | 86  | 209 | 120 | 174 | 86  | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 65             | —               | 65 |     | 209 | 136                 | 174 | 100 | 209 | 136 | 174 | 100 | —   | —   | —   | —   | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 75             | 75              | 75 |     | 220 | 114                 | 184 | 78  | 220 | 114 | 184 | 78  | 220 | 114 | 184 | 78  | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 65             | —               | 65 |     | 220 | 122                 | 184 | 86  | 220 | 122 | 184 | 86  | 220 | 122 | 184 | 86  | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 65             | —               | 65 |     | 220 | 138                 | 184 | 102 | 220 | 138 | 184 | 102 | —   | —   | —   | —   | —  | —  | — | —        | —    |   |   |   |   |   |   |
| 250         | 50             | 50              | —  | 315 | 230 | 123                 | 194 | 86  | 230 | 123 | 194 | 86  | 230 | 123 | 194 | 86  | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 65             | —               | 65 |     | 220 | 122                 | 184 | 86  | 220 | 122 | 184 | 86  | 220 | 122 | 184 | 86  | —  | —  | — | —        | —    |   |   |   |   |   |   |
|             | 75             | 75              | 75 |     | 220 | 138                 | 184 | 102 | 220 | 138 | 184 | 102 | —   | —   | —   | —   | —  |    |   |          |      |   |   |   |   |   |   |