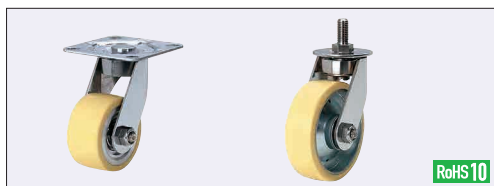
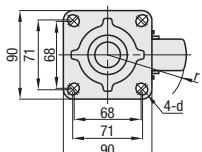


Casters for Clean Environment



| Main Body | | Wheel | | Bearing Shield | Bearing |
|------------|------------------------|---|--|-----------------------------|-----------------------------|
| M Material | S Surface Treatment | M Material (Color) | Specific Volume Resistivity | M Material | Swiveling Part / Wheel |
| SUS304 | Electrolytic Polishing | Urethane (Blue) Antistatic Urethane (Yellow) Electrically Conductive MC Nylon (Black) | 10 ¹⁹ or More 10 ⁷ ~10 ⁹ 10 ² ~10 ⁴ | Stainless Steel (Austenite) | Incorporated / Incorporated |

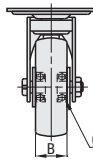
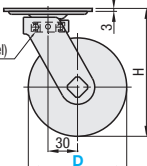
CHEPA
(Plate Type)



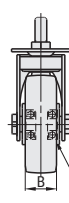
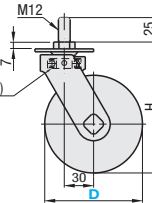
CHGPA
(Screw-In Type)



Clean Grease Filled Ball Bearing 6202ZZ (Stainless Steel)



Clean Grease Filled Ball Bearing 6201ZZ (Stainless Steel)



Clean Grease Filled Ball Bearing 6201ZZ (Stainless Steel)

For dedicated wrenches, see P1084.

| Main Body | Part Number | | Wheel Material | H | B | d | r | Allowable Load (N) | Mass (g) | Unit Price 1 ~ 20 pcs. | | |
|-----------|-------------|-----|---|-----|----|------|----|--------------------|----------|------------------------|---|---|
| | Type | D | | | | | | | | U | S | D |
| Swivel | CHEPA | 75 | U (Urethane) S (Antistatic Urethane) D (Electrically Conductive MC Nylon) | 118 | 38 | 10.5 | 70 | 1000 | 1200 | | | |
| | | 100 | | 130 | 32 | | 83 | | 1350 | | | |

| Main Body | Part Number | | Wheel Material | H | B | r | Allowable Load (N) | Mass (g) | Unit Price 1 ~ 20 pcs. | | |
|-----------------|-------------|-----|---|-----|----|----|--------------------|----------|------------------------|---|---|
| | Type | D | | | | | | | U | S | D |
| Swivel Screw-In | CHGPA | 75 | U (Urethane) S (Antistatic Urethane) D (Electrically Conductive MC Nylon) | 122 | 38 | 70 | 800 | 1100 | | | |
| | | 100 | | 134 | 32 | 83 | | 1250 | | | |



Ordering Example
Part Number - Wheel Material
CHEPA75 - U

Antistatic Urethane (OCTRON) Wheel Properties

- Because of an antistatic effect, sparks and high-frequency noises are prevented.
- Conventional anti-static caster wheels may exhibit varying electrical resistivity depending on measured location on wheels, but the OCTRON urethane wheels have uniform resistivity regardless of the measured location, being effective in a wide voltage range.
- Due to lower in hardness than ordinary urethane wheels (shore A67), vibrations and noises on a grating floor have decreased.
- Because a carbon black is not used, there is no contamination to a floor nor dispersion of a carbon to products.

Grease Performance Table

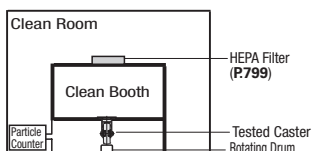
| Item | Conditions | Unit | Measurement Method | Low Particle Generation Type |
|----------------------------|------------|--------------------|--------------------|---|
| | | | | G Type |
| Thickener | - | - | - | Lithium Type |
| Base Oil | - | - | - | Mineral Oil + Synthetic Hydrocarbon Oil |
| Base Oil Kinetic Viscosity | 40°C | mm ² /s | JIS K2220 5.19 | 30 |
| | 100°C | | | - |
| Worked Penetration | - | - | JIS K2220 5.3 | 207 |
| Dropping Point | - | °C | JIS K2220 5.4 | 200 |
| Evaporation Amount | 99°Cx22hr | wt% | - | 1.40% |
| Oil Separation | 100°Cx24hr | wt% | JIS K2220 5.14 | 0.8% |
| Operating Temperature | In Air | °C | - | -10~80 |

Product Name: LG2 (made by NSK) with less particle generation is suitable for clean environments. Also, it excels in corrosion resistance.

<Evaluation Test Overview>

<Evaluation Conditions>

Caster Used CMGN75-R (General purpose caster + Rubber wheel)
CHEPA75-S (Casters for Clean Environment + Anti-static Wheel)
Running Speed 2km/hr
Atmosphere Clean booth in a clean room (Class 10)
Temperature 23°C
Humidity 40%
Particle Counter 237B Laser Type from RION Co., Ltd.



Particle Generation Comparison (0.3 μm or More)

