

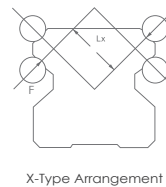
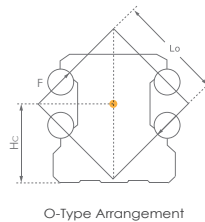
## Product Overview

### ARC/HRC/ERC Product Characteristics

Our standard **cpc** ARC/HRC/ERC Linear Guide Series uses the O-type arrangement for its four-row ball circulation design. The 45-degree contact angle between the rails and balls allows our product to realize a four-directional equivalent load effect. **cpc** has placed special emphasis on strengthening the arm length (Lo) of our product so that when sustaining external force (F), this can have an even higher Mr value, which increases its rigidity and torsion-resistant capabilities. The larger and more numerous balls in our products allows it to have a 10-30% greater load capacity than similarly sized competitor products. These and other characteristics are the source of our product's high load capacity, moment, and stiffness features.

Mode Code	Lo	Hc
15	12.4	9.35
20	16.4	12.5
25	19.5	14.5
30	24.0	17
35	30.4	19.5
45	38.2	24
55	43.1	28.5

$F = Mr/Lo (Lx)$



### Stainless steel reinforcement plate

- Total scraping of external objects above 0.3mm
- Increased X-axis axial force capacity

### Inner Lubrication storage Pad (Upper)

- No need to increase the length of the runner block
- Full lubrication contact with balls, particularly suitable for short stroke movement.

### End Cap

- All-around lubrication holes system

### High abrasion resistant material end seal

- Standard contactless, low friction, high dust proof seal

### Inner Lubrication storage Pad (Bottom)

### Ball chain

- Patented design to enable reverse operations.
- Muted and prolonged service life

- High Load and torque capabilities
- Excellent dynamic performance: Reach Vmax 10 m/s    Reach a\_max 450 m/s<sup>2</sup>
- Can provide counterbored holes from the top and tapped mounting holes from the bottom rail
- Can provide specialized steel surface treatment