Pillow Block Bearings UEC LEC UYC LYC Series Pillow Block Bearings-

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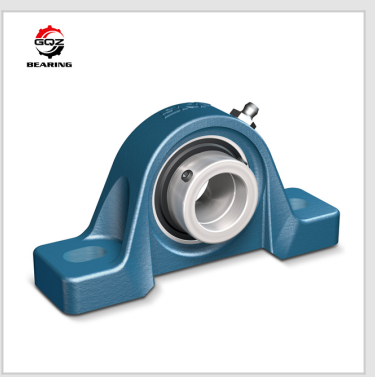

| Model | LYC 203 2F |
|---|---|
| Dimensions (mm) | |
| d | 17 |
| A | 24.3 |
| $A_1$ | 2 |
| $A_2$ | 7 |
| Da | 49 |
| H | 81 |
| J | 63 |
| N | 7.1 |
| Load capacity (kN) | |
| Radial | 2.5 |
| Axial | 1.2 |
| Mass | |
| kg | 4 |

# UEC LEC UYC LYC Series Pillow Block Bearing UECP LECP UYCP LYCP Two-Bolt Cast Iron Housed Concentric Eccentric Lock Spherical Insert Bearing For Agricultural Conveyor Construction Machinery

## UEC LEC UYC LYC Series Pillow Block Bearings Technical Parameter

| Item | UECP (UEC Series) | LECP (LEC Series) | UYCP (UYC Series) | LYCP (LYC Series) |
|---|---|---|---|---|
| Matching Insert Bearing | UE Concentric Split Collar | LE Dual Extended Inner Single Eccentric | UY Single Extended Inner Single Eccentric | LY Single Extended Inner Single Eccentric |
| Inner Ring Structure | Standard wide inner ring, no extension | Symmetric double-side extended wide inner ring | Single-side extended wide inner ring | Single-side extended wide inner ring |

| Item | UECP (UEC Series) | LECP (LEC Series) | UYCP (UYC Series) | LYCP (LYC Series) |
|---|---|---|---|---|
| Locking Mechanism | Concentric split collar, full 360° uniform clamping | Single eccentric collar (one extended shoulder) | Single eccentric collar (one extended shoulder) | Single eccentric collar (one extended shoulder) |
| Standard Seal | SL double-lip NBR steel flinger | 3S triple-lip heavy mud seal | SL double-lip dust/light mud seal | SL double-lip economical dust seal |
| Grease Nipple | Single side grease fitting | Dual-side grease nipples full coverage | Single grease nipple | Single grease nipple |
| Rotation Adaptation | Bidirectional, frequent forward-reverse | Only unidirectional heavy muddy field | Only unidirectional medium vibration farm | Only unidirectional dry light vibration, cost control |
| Anti-slip Performance | Excellent, no shaft scratch | Top tier heavy vibration anti-slip | Good medium vibration anti-slip | Basic economical anti-slip |
| Main Working Environment | High vibration, high speed, precision shafts, no shaft damage allowed | Severe muddy farm, sludge, straw, outdoor heavy construction | Semi-outdoor dry grain conveyor, light mud farm | Indoor dry workshop, small light farm machinery |
| Cost Level | Medium-high | Medium | Medium-low | Lowest budget |
| Interchange Reference | FYH UEP / NTN UEP | FYH YELP / NTN AELP | FYH SA P / NTN UYP | LS / SA economical pillow block units |

# UEC LEC UYC LYC Series Pillow Block Bearings Feactrues

## UEC Series (UECP Pillow Block)

1. Concentric split locking collar provides uniform 360° clamping force, no indentations or scratches on precision smooth shafts, ideal for high-speed motor and precision transmission equipment.

2. Adapt to frequent forward-reverse rotation without loosening, solves slipping failure of eccentric collar units for bidirectional machinery.

3. Standard double-lip reinforced seal blocks dust and light water splash, stable continuous operation for packaging, textile and HVAC fans.

4. Wide inner ring large contact area, strong load capacity for long-span heavy conveyor rollers.

5. Fully interchangeable with imported UEP concentric pillow block units, stable quality for OEM mass production.

## LEC Series (LECP Pillow Block)

1. Double-side symmetric extended inner ring greatly increases contact area with eccentric collar, superior anti-slip performance under violent field vibration than UYC/LYC single extended variants.

2. Standard triple-lip 3S multi-layer mud seal with outer steel flinger, blocks thick mud, crop straw, sand and rainwater for harsh farm/construction sites.

3. Dual-side grease nipples realize full raceway lubrication, eliminate dry friction during 24-hour non-stop harvesting work.

4. Single eccentric cost lower than double eccentric UHP units, perfect cost-performance for unidirectional heavy-duty farm equipment.

5. Dedicated for combine harvester threshing, feeding and heavy outdoor single rotation conveyors.

## UYC Series (UYCP Pillow Block)

1. Single-side extended inner ring simplified structure, balanced cost and anti-slip performance for medium vibration unidirectional agricultural machinery.

2. Double-lip standard seal meets dry grain dust and light field mud working conditions, avoids over-spec triple-lip extra cost.

3. Single grease nipple easy daily maintenance, simple assembly and replacement by farmers on-site.

4. Stable self-locking friction under single-direction rotation, no slipping for grain transport belt conveyors.

5. Interchangeable with FYH SA / NTN UYP single eccentric pillow block units, mainstream aftermarket replacement bearing for medium farm equipment.

## LYC Series (LYCP Pillow Block)

1. Most economical single eccentric pillow block line, simplified single extended inner ring reduces raw material cost for strict budget small machinery projects.

2. Standard double-lip dust seal fits indoor dry workshop and light dry farm equipment without heavy mud exposure.

3. Compact lightweight unit design, saves procurement cost for mini lawn mowers, small packaging rollers and light textile winding machines.

4. Single eccentric locking structure avoids shaft indentations compared to UC set screw pillow blocks, low failure rate for low-medium vibration single rotation equipment.

5. Complete metric & inch small size range, support mixed small-batch orders for light machinery retailers.

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