

## Pillow Block Bearings

UED LED UYD LYD Series Pillow Block Bearings-



Model LED 206 2F

الأبعاد (مم)

D 30

A 24.7

A<sub>1</sub> 2.5A<sub>2</sub> 9.5

Da 71

H 112

H<sub>1</sub> 38

Y 90.5

N 10.5

Load capacity (kN)

Radial 5

Axial 2.5

Fig. 2

Mass

كلغ 0.49

# UED LED UYD LYD Series Deep Base Pillow Block Bearing UEDP LEDP UYDP LYDP Thickened Heavy-Duty Cast Iron Housed Concentric Eccentric Lock Spherical Insert Bearing For Heavy Agricultural Conveyor Construction Machinery

## UED LED UYD LYD Series Pillow Block Bearings Technical Parameter

| Item                    | UEDP (UED Series)                                                    | LEDP (LED Series)                                                     | UYDP (UYD Series)                                 | LYDP (LYD 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               |
| Housing Feature         | Deep thickened heavy-duty cast iron base, thick wall shock resistant | Deep reinforced heavy-duty housing, anti-impact for outdoor mud sites | Deep heavy-duty base, medium vibration heavy load | Deep thickened economical heavy base, budget heavy load |

## UED-LED-UYD-LYD-Series-Pillow-Block-Bearings

| Item                        | UEDP (UED Series)                                                                  | LEDP (LED Series)                                                                 | UYDP (UYD Series)                                                 | LYDP (LYD Series)                                                     |
|-----------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------|
| 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                                  |
| Locking Mechanism           | Concentric split collar, full 360° uniform clamping, no shaft scratch              | Single eccentric collar, large contact area anti-slip                             | Single eccentric collar, medium anti-slip performance             | Single eccentric collar, economical anti-slip                         |
| Standard Seal               | SL double-lip reinforced NBR steel flinger                                         | 3S triple-lip ultra heavy mud seal                                                | SL double-lip dust & light mud seal                               | SL light double-lip dust-proof seal                                   |
| Grease Nipple               | Single side grease fitting                                                         | Dual-side full coverage grease nipples                                            | Single grease nipple                                              | Single grease nipple                                                  |
| Rotation Adaptation         | Bidirectional, frequent forward-reverse, high speed heavy load                     | Only unidirectional, severe muddy heavy vibration farm/construction               | Only unidirectional, medium vibration semi-outdoor grain conveyor | Only unidirectional, dry indoor heavy light machinery, cost control   |
| Anti-slip Grade             | Excellent, zero shaft indentation                                                  | Top tier heavy vibration anti-slip                                                | Good medium vibration anti-slip                                   | Basic economical anti-slip                                            |
| Typical Working Environment | Heavy-duty bidirectional fans, packaging heavy conveyors, high-vibration gearboxes | Severe mud, sludge, straw, outdoor heavy combine harvesters, sand stone conveyors | Dry grain heavy transport, semi-outdoor medium farm machinery     | Indoor dry heavy packaging, light construction dry material conveyors |
| Cost Level                  | Medium-High                                                                        | Medium                                                                            | Medium-Low                                                        | Lowest heavy-duty budget                                              |
| Interchange Reference       | Heavy UEP concentric pillow block                                                  | Heavy YELP / AELP triple mud seal pillow block                                    | Heavy SA P / UYP single eccentric pillow block                    | Economical heavy LS / SA deep base pillow block                       |

## UED LED UYD LYD Series Pillow Block Bearings Features

### UED Series (UEDP Deep Base Concentric Pillow Block)

1. Deep thickened cast iron housing with thicker wall than standard UECB, stronger shock absorption for 24-hour heavy continuous operation.
2. Concentric split locking collar provides uniform 360° circumferential clamping, no indentations/scratches on precision smooth shafts, ideal for high-speed heavy motor and heavy-duty bidirectional transmission equipment.
3. Adapt to frequent forward-reverse rotation without inner ring slipping, solves loosening failure of eccentric deep-base units for bidirectional heavy machinery.

4. Standard double-lip reinforced steel flinger seal blocks heavy workshop dust and light water splash, stable long-term operation for heavy packaging, large HVAC fans and heavy gearbox shafts.
5. Wide inner ring large contact area improves overall load capacity for long-span heavy conveyor rollers, fully interchangeable with imported heavy UEP concentric pillow block units.

### **LED Series (LEDP Deep Base Triple Mud Seal Pillow Block)**

1. Double-side symmetric extended wide inner ring greatly increases contact area with eccentric collar, superior anti-slip performance under violent field heavy vibration than UYDP/LYDP single extended variants.
2. Standard triple-lip 3S multi-layer heavy mud seal with outer steel anti-mud flinger, completely isolates thick mud, crop straw, sand and rainwater for extreme outdoor farm/construction harsh sites.
3. Dual-side grease nipples realize full raceway lubrication coverage, eliminate local dry friction during all-day non-stop heavy harvesting and stone conveying work.
4. Deep reinforced thickened housing resists heavy material impact, single eccentric cost far lower than double eccentric UHP deep base units, perfect cost-performance for unidirectional heavy-duty farm equipment.
5. Dedicated for large combine harvester threshing, feeding rollers and outdoor heavy single rotation grain & stone transport conveyors.

### **UYD Series (UYDP Deep Base Medium Heavy Eccentric Pillow Block)**

1. Deep thickened heavy-duty housing balances load capacity and cost for medium-heavy unidirectional agricultural machinery, stronger shock resistance than standard UYCP light base units.
2. Single-side extended inner ring simplified structure, balanced anti-slip performance and procurement cost for medium vibration dry grain heavy conveyors.
3. Standard double-lip reinforced seal meets dry grain dust and light field mud working conditions, avoids over-spec triple-lip extra cost for semi-outdoor farm equipment.
4. Single grease nipple easy daily maintenance, simple on-site disassembly and replacement by farmers for large grain transport machinery.

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

### **LYD Series (LYDP Deep Base Economical Heavy Eccentric Pillow Block)**

1. Most economical deep heavy-duty pillow block line, simplified single extended inner ring reduces raw material cost for strict budget heavy machinery projects.
2. Standard double-lip dust seal fits indoor dry workshop and light dry heavy farm equipment without heavy mud exposure, thickened housing still meets heavy load demand.
3. Compact heavy-duty unit design, saves procurement cost for large batch mini heavy packaging rollers and light dry construction material conveyors.
4. Single eccentric locking structure avoids shaft indentations compared to UC set screw deep base pillow blocks, low failure rate for low-medium vibration unidirectional heavy equipment.

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