

# Pillow Block Bearings

UEV,LEV,UYV,LYV,LKV+H Series Pillow Block Bearings-



Model LKV 207 2F + H2307

Dimensões [mm]

|                |      |
|----------------|------|
| d              | 35   |
| eu             | 110  |
| A              | 48   |
| J              | 80   |
| H              | 95   |
| G              | M14  |
| G <sub>1</sub> | 20   |
| H <sub>1</sub> | 12   |
| H <sub>2</sub> | 47.6 |
| A <sub>1</sub> | 30.5 |
| S <sub>1</sub> | 24.3 |
| Fig.           | 6    |
| Mass           |      |
| kg             | 1.53 |



## UEV LEV UYV LYV LKV+H Series Vertical V Stand Pillow Block Bearing UEV LEV UYV LYV LKV+H Cast Iron Vertical Upright Two-Lug Housing Concentric Eccentric Tapered Bore Insert Bearing For Wall-Mounted Conveyor Vertical Agricultural Packaging Compact Machinery

### UEV,LEV,UYV,LYV,LKV+H Series Pillow Block Bearings Technical Parameter

| Comparison Item | UEV (Concentric Split Collar Vertical V Unit) | LEV (Dual Extended Eccentric Triple Mud Seal Vertical V Unit) | UYV (Single Extended Eccentric Medium Vertical V Unit) | LYV (Economical Single Extended Eccentric Vertical V Unit) | LKV+H (Tapered Bore + H Sleeve Vertical V Unit) |
|-----------------|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------|
|-----------------|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------|

## UEVLEVUYVLYVLKVH-Series-Pillow-Block-Bearings

| Comparison Item         | UEV (Concentric Split Collar Vertical V Unit)                                        | LEV (Dual Extended Eccentric Triple Mud Seal Vertical V Unit)                        | UYV (Single Extended Eccentric Medium Vertical V Unit)               | LYV (Economical Single Extended Eccentric Vertical V Unit)               | LKV+H (Tapered Bore + H Sleeve Vertical V Unit)                           |
|-------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Matching Insert Bearing | UE Concentric Split Collar Insert                                                    | LE Double-Side Extended Inner Single Eccentric Insert                                | UY Single-Side Extended Inner Single Eccentric Insert                | LY Economical Single-Side Extended Inner Single Eccentric Insert         | UK 1:12 Tapered Bore Insert + H Adapter Sleeve                            |
| Housing Feature         | Standard V vertical cast iron upright stand, symmetrical vertical mounting lugs      | Reinforced V vertical thick-wall housing, anti-mud heavy vertical farm equipment     | Standard V vertical base, balanced vertical load & cost              | Simplified V vertical slim housing, lowest cost light vertical unit      | Universal V vertical upright housing compatible with taper sleeve inserts |
| Inner Ring Structure    | Standard wide inner ring, no extension                                               | Symmetric double-side wide extended inner ring                                       | Single-side wide extended inner ring                                 | Simplified single-side extended inner ring                               | Tapered 1:12 inner bore, no extension                                     |
| Locking Mechanism       | 360° full circumferential split collar, uniform clamping force                       | Single eccentric collar, maximum contact anti-slip area under vertical vibration     | Single eccentric collar, medium anti-slip friction torque            | Single eccentric collar, basic economical locking structure              | Tapered bore + H sleeve interference fit                                  |
| Standard Seal           | SL double-lip reinforced NBR with steel anti-dust flinger                            | 3S triple-lip ultra heavy mud seal + outer anti-mud slinger                          | SL double-lip dust & light mud reinforced seal                       | SL lightweight double-lip dust-proof seal                                | SL double-lip general dust & coolant seal                                 |
| Grease Nipple           | Single side grease fitting                                                           | Dual-side full coverage grease nipples for full raceway lubrication                  | Single grease nipple                                                 | Single simplified grease nipple                                          | Single side grease fitting                                                |
| Rotation Adaptation     | Bidirectional, frequent forward-reverse, medium speed medium load vertical equipment | Only unidirectional, severe mud/straw vibration vertical harvesters & wall conveyors | Only unidirectional, semi-outdoor dry grain vertical light transport | Only unidirectional, indoor dry light vertical load, strict budget limit | Bidirectional rotation, polished smooth unthreaded vertical drive shafts  |
| Anti-Slip Grade         | Excellent, zero shaft indentation or scratch                                         | Top-tier vertical vibration anti-loosening performance                               | Good medium vertical vibration anti-slip capacity                    | Basic economical anti-slip performance                                   | Uniform circumferential clamping, no shaft surface damage                 |

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|-----------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Typical Working Environment | Wall-mounted bidirectional small fans, vertical short packaging conveyors, narrow vertical textile frames | Vertical combine harvester auxiliary rollers, wall-mounted stone short conveyors, muddy vertical transport lines | Dry grain vertical wall belt conveyors, semi-outdoor small vertical agricultural machinery | Indoor mini vertical packaging rollers, light woodworking vertical transport equipment | Polished smooth unthreaded vertical drive shafts, compact vertical printing/textile machinery |
| Cost Level                  | Medium                                                                                                    | Medium-Low                                                                                                       | Low                                                                                        | Lowest V vertical base unit                                                            | Medium (extra H sleeve cost)                                                                  |
| Interchange Reference       | Vertical V concentric mounted bearing UEV variant                                                         | Vertical V triple mud seal eccentric LEV housing units                                                           | Vertical V single eccentric UYV upright bearing assemblies                                 | Economical slim LS/SA V vertical base units                                            | Vertical V tapered bore + sleeve LKV+H upright bearing sets                                   |

### Series Naming Rule Explanation

- Suffix V = Vertical Upright Housing: Vertical stand cast iron base, mounting surface perpendicular to shaft centerline, for wall/vertical panel installation, fixed-position non-adjustable housing<sup>fk1.by</sup>
- Middle code = Insert bearing locking & inner ring structure:
  - EV (UEV) = UE concentric split collar insert (wide inner ring, 360° uniform clamping, bidirectional rotation)
  - EV (LEV) = LE double-side symmetric extended inner single eccentric insert (triple heavy mud seal, unidirectional muddy outdoor sites)
  - YV (UYV) = UY single-side extended inner single eccentric insert (double-lip reinforced seal, medium vibration unidirectional)
  - YV (LYV) = LY economical single-side extended inner single eccentric insert (light dust seal, budget light-medium load indoor equipment)
  - KV+H (LKV+H) = UK 1:12 tapered bore insert + H split adapter sleeve (smooth unthreaded shaft, zero shaft scratch)

Full complete unit codes:

- UEV = UEV Series (UE concentric split collar insert + V vertical upright housing)
- LEV = LEV Series (LE dual extended eccentric insert + V vertical upright housing)
- UYV = UYV Series (UY single extended eccentric insert + V vertical upright housing)
- LYV = LYV Series (LY economical single extended eccentric insert + V vertical upright housing)
- LKV+H = LKV+H Series (UK tapered bore insert + H sleeve + V vertical upright housing)

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