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

| Model | LEV 205 2F |
|---|---|
| الأبعاد مم | |
| د | 25 |
| إل | 84 |
| A | 38 |
| ي | 56 |
| H | 72 |
| جي | 10 م |
| $G_1$ | 15 |
| $H_1$ | 10 |
| $H_2$ | 36.5 |
| $A_1$ | 25 |
| $S_1$ | 19.8 |
| Fig. | 2 |
| Mass | |
| كلغ | 0.68 |

# 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) |
|---|---|---|---|---|---|

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|---|---|---|---|---|---|
| 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

1. 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[fkl.by]

2. 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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