

## Pillow Block Bearings

UES LES UYS LYS Series Pillow Block Bearings- 

Model UYS 209 2S

Dimensões [mm]

|                |      |
|----------------|------|
| d              | 45   |
| A              | 52   |
| A <sub>1</sub> | 36   |
| H              | 107  |
| H <sub>2</sub> | 54   |
| H <sub>1</sub> | 20   |
| Jmin           | 136  |
| Jmax           | 151  |
| eu             | 190  |
| N              | 17   |
| N <sub>1</sub> | 23.5 |
| S <sub>1</sub> | 32.7 |
| Fig.           | 3    |
| Mass           |      |
| kg             | 2.34 |

# UES LES UYS LYS Series Short Low S Base Pillow Block Bearing UESP LESP UYSP LYSP Cast Iron Short Two-Bolt Low Center Height Concentric Eccentric Insert Bearing For Compact Mini Agricultural Conveyor Packaging Narrow Frame Light Machinery

## UES LES UYS LYS Series Pillow Block Bearings Technical Parameter

| Comparison Item         | UES (Concentric Split Collar Short S Pillow Block) | LES (Dual Extended Eccentric Triple Mud Seal Short S Pillow Block) | UY (Single Extended Eccentric Medium Short S Pillow Block) | LYS (Economical Single Extended Eccentric Short S Pillow Block)  |
|-------------------------|----------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------|
| 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 |

## UES-LES-UY-SLY-Series-Pillow-Block-Bearings

| <b>Comparison Item</b>      | <b>UES (Concentric Split Collar Short S Pillow Block)</b>                                                         | <b>LES (Dual Extended Eccentric Triple Mud Seal Short S Pillow Block)</b>                          | <b>UY (Single Extended Eccentric Medium Short S Pillow Block)</b>                          | <b>LY (Economical Single Extended Eccentric Short S Pillow Block)</b>           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Housing Feature             | S short low slim cast iron, short mounting feet, low center height, ultra-space-saving                            | S short reinforced low base, compact vertical clearance for mini farm equipment                    | S standard short low base, balanced compact size & medium load capacity                    | Simplified S short low base, lowest cost compact short pillow block housing     |
| 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                                      |
| Locking Mechanism           | 360° full circumferential split collar, uniform clamping force                                                    | Single eccentric collar, maximum contact anti-slip area under vibration                            | Single eccentric collar, medium anti-slip friction torque                                  | Single eccentric collar, basic economical locking structure                     |
| 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                                       |
| Grease Nipple               | Single side grease fitting                                                                                        | Dual-side full coverage grease nipples for full raceway lubrication                                | Single grease nipple                                                                       | Single simplified grease nipple                                                 |
| Rotation Adaptation         | Bidirectional, frequent forward-reverse, medium speed light-medium load                                           | Only unidirectional, moderate mud/straw vibration mini outdoor farm equipment                      | Only unidirectional, semi-outdoor dry grain light compact transport                        | Only unidirectional, indoor dry light load, ultra-strict space & budget limit   |
| Anti-Slip Grade             | Excellent, zero shaft indentation or scratch                                                                      | Top-tier vibration anti-loosening performance                                                      | Good medium vibration anti-slip capacity                                                   | Basic economical anti-slip performance                                          |
| Typical Working Environment | Compact small bidirectional fans, mini packaging short conveyors, small gearboxes, narrow-frame textile machinery | Mini combine harvesters, narrow-frame outdoor short grain conveyors, light muddy compact equipment | Dry grain light transport, semi-outdoor small agricultural machinery with low frame height | Indoor mini packaging, light woodworking, small indoor drying compact conveyors |
| Cost Level                  | Medium                                                                                                            | Medium-Low                                                                                         | Low                                                                                        | Lowest short S base pillow block unit                                           |
| Interchange Reference       | Compact short-base concentric pillow block UEP-S variant                                                          | Short YELP compact triple mud seal eccentric pillow blocks                                         | Short SAP compact single eccentric low pillow blocks                                       | Economical slim LS/SA short S base pillow block assemblies                      |

### Series Naming Rule Explanation

1. Suffix P = Pillow Block; S = Short Low Slim Base (short foot, low center height, compact footprint for tight installation clearance)

2. Middle code = Insert bearing locking & inner ring structure

- ES (UES) = UE concentric split collar insert (wide inner ring, 360° uniform clamping, bidirectional rotation)
- ES (LES) = LE double-side symmetric extended inner single eccentric insert (triple heavy mud seal, unidirectional muddy outdoor sites)
- YS (UYS) = UY single-side extended inner single eccentric insert (double-lip reinforced seal, medium vibration unidirectional)
- YS (LYS) = LY economical single-side extended inner single eccentric insert (light dust seal, budget light-medium load indoor equipment)

Full complete unit codes:

- UESP = UES Series (UE concentric split collar insert + S short low pillow block housing)
- LESP = LES Series (LE dual extended eccentric insert + S short low pillow block housing)
- UYSP = UYS Series (UY single extended eccentric insert + S short low pillow block housing)
- LYSP = LYS Series (LY economical single extended eccentric insert + S short low pillow block housing)

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