

## Pillow Block Bearings

UET LET UYT LYT LKT+H Series Pillow Block Bearings-



Model UYT 205 2S

Dimensiones [mm]

D 25

A 34

A<sub>1</sub> 13.5

A<sub>2</sub> 25

D<sub>1</sub> 19

H 91



H<sub>1</sub> 76



L 100

L<sub>1</sub> 64

L<sub>2</sub> 16

norte 33

N<sub>1</sub> 10

S<sub>1</sub> 23.5

Fig. 3

Mass

kg 0.88

# UET LET UYT LYT LKT+H Series T Sliding Take-Up Bearing UET LET UYT LYT LKT+H Cast Iron Adjustable Slotted Base Concentric Eccentric Tapered Bore Insert Bearing For Conveyor Belt Tension Agricultural Packaging Transport Machinery

## UET LET UYT LYT LKT+H Series Pillow Block Bearings Technical Parameter

| Comparison Item | UET (Concentric Split Collar Take-Up Unit) | LET (Dual Extended Eccentric Triple Mud Seal Take-Up Unit) | UYT (Single Extended Eccentric Medium Take-Up Unit) | LYT (Economical Single Extended Eccentric Take-Up Unit) | LKT+H (Tapered Bore + H Sleeve Take-Up Unit) |
|-----------------|--------------------------------------------|------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|----------------------------------------------|
|-----------------|--------------------------------------------|------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|----------------------------------------------|

# UET-LET-UYT-LYT-LKTH-Series-Pillow-Block-Bearings

| Comparison Item             | UET (Concentric Split Collar Take-Up Unit)                                                 | LET (Dual Extended Eccentric Triple Mud Seal Take-Up Unit)                               | UYT (Single Extended Eccentric Medium Take-Up Unit)                      | LYT (Economical Single Extended Eccentric Take-Up Unit)                        | LKT+H (Tapered Bore + H Sleeve Take-Up 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 T sliding cast iron, long adjustment slot, threaded tension hole                  | Reinforced T sliding housing, thick wall for heavy muddy farm conveyors                  | Universal T sliding base, balanced adjustment stroke & cost              | Simplified T sliding base, lowest cost light-duty take-up housing              | General T sliding take-up 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 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                          | Only unidirectional, severe mud/straw heavy vibration outdoor farm conveyors             | Only unidirectional, semi-outdoor dry grain medium tension transport     | Only unidirectional, indoor dry light load, strict budget control              | Bidirectional rotation, polished smooth unthreaded tension shafts                      |
| Anti-Slip Grade             | Excellent, zero shaft indentation or scratch                                               | Top-tier heavy vibration anti-loosening performance                                      | Good medium vibration anti-slip capacity                                 | Basic economical anti-slip performance                                         | Uniform circumferential clamping, no shaft surface damage                              |
| Typical Working Environment | Bidirectional tension fans, medium packaging adjustable conveyors, textile tension rollers | Combine harvester grain conveying tension rollers, outdoor stone heavy-duty belt take-up | Dry grain transport belt tensioners, semi-outdoor agricultural machinery | Indoor mini packaging light conveyor tension adjustment, woodworking machinery | Polished smooth unthreaded drive shafts, printing/textile tension adjustment equipment |

## UET-LET-UYT-LYT-LKTH-Series-Pillow-Block-Bearings

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|-----------------------|--------------------------------------------|------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|
| Cost Level            | Medium-High                                | Medium                                                     | Medium-Low                                          | Lowest T sliding take-up unit                           | Medium-High (extra H sleeve cost)                |
| Interchange Reference | FYH UET / NTN UET concentric take-up units | FYH YET / NTN AET triple mud seal eccentric take-up units  | FYH SAT / NTN UYT single eccentric take-up units    | Economical LS/SA T sliding base take-up assemblies      | SKF UKT+H / NTN UKT+H tapered bore take-up units |

### Series Naming Rule Explanation

- Suffix T = Take-Up Sliding Housing: Long sliding slot for linear adjustment, matched with tension screw to adjust shaft tension for belts/chains; universal sliding take-up base standard.
- Middle code = Insert bearing locking & inner ring structure:
  - ET (UET) = UE concentric split collar insert (wide inner ring, 360° uniform clamping, bidirectional rotation)
  - ET (LET) = LE double-side symmetric extended inner single eccentric insert (triple heavy mud seal, unidirectional muddy outdoor sites)
  - YT (UYT) = UY single-side extended inner single eccentric insert (double-lip reinforced seal, medium vibration unidirectional)
  - YT (LYT) = LY economical single-side extended inner single eccentric insert (light dust seal, budget light-medium load indoor equipment)
  - KT+H (LKT+H) = UK 1:12 tapered bore insert + H split adapter sleeve (smooth unthreaded shaft, no shaft scratch)

Full complete unit codes:

- UET = UET Series (UE concentric split collar insert + T sliding take-up housing)
- LET = LET Series (LE dual extended eccentric insert + T sliding take-up housing)

- UYT = UYT Series (UY single extended eccentric insert + T sliding take-up housing)
- LYT = LYT Series (LY economical single extended eccentric insert + T sliding take-up housing)
- LKT+H = LKT+H Series (UK tapered bore insert + H sleeve + T sliding take-up housing)

## • FAQ

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