Pillow Block Bearings
UEF LEF UYF LYF LKF+H Series Pillow Block Bearings-

Model	UEF 204 2S
الأبعاد مم	
د	20
A	33.3
A_1	25.5
A_2	11
ي	64
إل	86
ن	12
Fig.	1
Mass	
كلغ	0.52

UEF LEF UYF LYF LKF+H Series Square 4-Bolt Flange Bearing UEF LEF UYF LYF LKF+H Cast Iron 4-Hole Flange Insert Bearing Concentric Eccentric Tapered Bore For Agricultural Conveyor Construction Machinery

UEF LEF UYF LYF LKF+H Series Pillow Block Bearings Technical Parameter

Comparison Item	UEF (Concentric Split Collar Flange Unit)	LEF (Dual Extended Eccentric Heavy Mud Flange Unit)	UYF (Single Extended Eccentric Medium Flange Unit)	LYF (Economical Single Extended Eccentric Flange Unit)	LKF+H (Tapered Bore + H Sleeve Flange Unit)
Matching Insert Bearing	UE Concentric Split Collar	LE Double Extended Inner Single Eccentric	UY Single Extended Inner Single Eccentric	LY Economical Single Extended Inner Single Eccentric	UK Tapered 1:12 Bore Insert + H Sleeve
Inner Ring Structure	Standard wide inner ring, no extension	Symmetric double-side wide extended inner ring	Single-side wide extended inner ring	Single-side simplified extended inner ring	Tapered 1:12 inner bore, no extension

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Locking Mechanism	360° concentric split collar, full uniform clamping	Single eccentric collar, large contact anti-slip area	Single eccentric collar, medium anti-slip friction	Single eccentric collar, economical basic locking	Tapered bore + H adapter sleeve interference fit
Standard Seal	SL double-lip reinforced NBR with steel flinger	3S triple-lip ultra heavy mud seal + outer slinger	SL double-lip dust & light mud seal	SL light double-lip dust-proof seal	SL double-lip general dust seal
Grease Nipple	Single side grease fitting	Dual-side full coverage grease nipples	Single grease nipple	Single simplified grease nipple	Single side grease fitting
Rotation Adaptation	Bidirectional, frequent forward-reverse, high speed	Only unidirectional, severe muddy heavy vibration	Only unidirectional, semi-outdoor medium vibration	Only unidirectional, indoor dry light load, cost control	Bidirectional rotation, smooth unthreaded shafts
Anti-slip Grade	Excellent, zero shaft indentation/scratch	Top-tier heavy vibration anti-loosening	Good medium vibration anti-slip	Basic economical anti-slip	Uniform circumferential clamping, no shaft damage
Typical Working Environment	Heavy bidirectional fans, packaging heavy conveyors, high-vibration gearboxes	Severe mud, sludge, straw, outdoor combine harvesters, stone conveyors	Dry grain heavy transport, semi-outdoor medium farm equipment	Indoor dry packaging, light dry agricultural machinery	Polished smooth unthreaded transmission shafts, precision equipment
Cost Level	Medium-High	Medium	Medium-Low	Lowest budget flange unit	Medium-High (extra H sleeve cost)
Interchange Reference	FYH UEF / NTN UEF concentric flange units	FYH YELF / NTN AELF triple mud seal flange units	FYH SAF / NTN UYF single eccentric flange units	Economical LS/SA square flange housing units	SKF UKF+H / NTN UKF+H tapered bore flange assemblies

UEF LEF UYF LYF LKF+H Series Pillow Block Bearings Feactures

UEF Series (Concentric Split Collar Square Flange)

1. Concentric split locking collar provides uniform 360° circumferential clamping force, no indentations or scratches on precision smooth shafts, ideal for high-speed heavy motor & bidirectional transmission equipment.

2. Adapt to frequent forward-reverse rotation without inner ring slipping, solves loosening failure of eccentric flange units for bidirectional heavy machinery.

3. 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.

4. Wide inner ring large contact area improves overall load capacity for long-span heavy conveyor rollers, fully interchangeable with imported UEF concentric square flange units.

5. 4-hole square flange symmetrical mounting layout, uniform bolt force distribution, no housing deformation under heavy continuous vibration.

LEF Series (Dual Extended Eccentric Triple Mud Seal Square Flange)

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 UYF/LYF 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. Single eccentric cost far lower than double eccentric UHF square flange 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 fixed on vertical machine frames.

UYF Series (Single Extended Eccentric Medium-Duty Square Flange)

1. Single-side extended inner ring simplified structure, balanced anti-slip performance and procurement cost for medium vibration unidirectional agricultural machinery.

2. Standard double-lip standard seal meets dry grain dust and light field mud working conditions, avoids over-spec triple-lip extra cost for semi-outdoor farm equipment.

3. Single grease nipple easy daily maintenance, simple on-site disassembly and replacement by farmers for large grain transport machinery.

4. Stable self-locking friction under single-direction rotation, no slipping for grain transport belt conveyors fixed on vertical frames.

5. Interchangeable with FYH SAF / NTN UYF single eccentric square flange units, mainstream aftermarket replacement bearing for medium-heavy farm equipment.

LYF Series (Economical Single Extended Eccentric Square Flange)

1. Most economical square flange bearing 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 farm equipment without heavy mud exposure, cast iron flange still meets medium load demand.

3. Compact lightweight 4-hole square 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 UCF set screw square flange units, low failure rate for low-medium vibration unidirectional equipment.

5. Complete metric & inch full size range, support mixed small-batch orders for light heavy machinery retailers and equipment OEMs.

LKF+H Series (Tapered Bore Insert + H Adapter Sleeve Square Flange)

1. Tapered 1:12 inner bore matched with split H adapter sleeve, uniform circumferential clamping force without any scratch or indentation on polished smooth unthreaded shafts.

2. No special machining required on shaft surface; install & remove sleeve easily without damaging shaft precision surface, ideal for high-precision transmission equipment.

3. Standard double-lip reinforced seal blocks workshop dust and light coolant splash, stable bidirectional rotation performance for heavy vertical-mounted gearbox shafts.

4. Large contact area between sleeve and inner ring distributes heavy radial/axial load evenly, resistant to long-hour continuous heavy vibration fatigue wear.

5. Fully interchangeable with SKF/NTN UKF+H square flange assemblies, perfect for printing, textile, packaging machinery with smooth polished drive shafts.

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