



I N C R E A S E U P T I M E

01E SERIES SPLIT

Features & Benefits

Dimensionally interchangeable with the 01 Series bearing

Uses existing cartridge and housing.

Increased load ratings

Longer operational life.
Higher safety margins.
OEM's can specify the more cost effective 01E instead of 02 Series bearings.

Self-locking steel cage

Increased operating temperature range.
Lower maintenance costs.
Simple assembly.
No small components to remove, replace or lose.

Increase uptime and cut downtime

Cooper Bearings leads the world in the design, manufacture and application of totally split roller bearings across a broad range of major industries.

When replacement is necessary, Cooper users save valuable production time that would otherwise be lost by the time consuming replacement of non-split bearings.

The 01E Series bearing

The 01E Series bearing incorporates a split steel cage with more rollers, while maintaining the same overall dimensions as our standard 01 Series bearing.

The ability of the 01E Series bearing to take additional load within the existing space of the 01 Series results in longer life for existing applications or more economic bearing selection when designing new equipment.

Dimensional interchangeability means existing 01 Series cartridges and pedestals, and other Cooper outer mountings can be used with no change to either shafting or mount seatings.

The internal construction of the bearing has been designed to produce an average of 30% increase in radial and 20% increase in axial load ratings, compared to the 01 Series.



H I G H E R L O A D R A T I N G

ROLLER BEARING

Self locking cage

A feature of the 01E cage in addition to greater load ratings, is the elimination of cage joint clips, simplifying even further the assembly benefits provided by the Cooper bearing.

Inspection and replacement

Reducing downtime to a minimum in trapped locations is only possible with totally split roller bearings. Equally, bearing replacement time is proportionally reduced as major components remain in place during planned maintenance periods. There is no need to re-align bearings or drive system.

Bearing clearance

All Cooper bearings are shipped with factory set clearances. Assembly advice and literature is provided with the product and is also available on request.

Technical services

With one hundred years' experience in split roller bearings design and application, Cooper is recognised world wide as the leading authoritative advisor on application and sealing solutions for a multitude of industries.

01E Series dimensional and load rating specifications

Shaft diameter (d) inches mm	Reference Bearing only*		Dynamic C lb/kN	Ratings		Max Speed rpm
	inches	millimetres		Static Cor lb/kN	Axial Ca b/kN	
1 3/4 1 5/16 2	01 EB 112 01 EB 115 01 EB 200	01 EB 50	21375 95	23400 104	855 3.8	4630
2 3/16 2 1/4 2 7/16 2 1/2	01 EB 203 01 EB 204 01 EB 207 01 EB 208	01 EB 55 01 EB 60 01 EB 65	30150 134	35100 156	1620 7.2	3940
2 11/16 2 3/4 2 15/16 3	01 EB 211 01 EB 212 01 EB 215 01 EB 300	01 EB 70 01 EB 75	37125 165	44100 196	2430 10.8	3310
3 3/16 3 1/4 3 7/16 3 1/2	01 EB 303 01 EB 304 01 EB 307 01 EB 308	01 EB 80 01 EB 85 01 EB 90	51300 228	65025 289	3060 13.6	2790
3 11/16 3 3/4 3 15/16 4	01 EB 311 01 EB 312 01 EB 315 01 EB 400	01 EB 100 01 EB 105	70875 315	92700 412	4410 19.6	2340

*Add EX for expansion type or GR for fixed type as a suffix to unit reference.



100 YEARS OF
COOPER
SPLIT ROLLER BEARINGS



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