

CB-14 SERIES CONVEYOR BEARINGS

A UNIQUE AND COST-EFFECTIVE BEARING
DESIGN THAT CAN SIGNIFICANTLY REDUCE
NOISE IN CONVEYOR OPERATIONS



Kilian™ CB-14 series conveyor bearings are specifically designed to operate quietly and dependably in the most demanding material handling applications.

CB-14 bearings combine two major features that act together to reduce the metal-to-metal contact that is a common source of noise throughout the conveyor system. A nylon retainer separates and guides the balls, while a pressed-in nylon adapter eliminates any direct contact of bearing ring with conveyor shaft. An adapter flange also acts as a bearing shield to exclude contaminants.

The entire CB-14 series has a one-piece, precision-machined outer ring to prevent any spreading or splitting under load. Hardened raceways improve anti-friction performance. The ball separator design permits a speed of 2,000 rpm, higher than what could be achieved with full-complement bearings.

BENEFITS

Noise Reduction — combination of nylon ball retainer and shaft adapter eliminates metal-to-metal contact, significantly reducing operating noise.

Easy Replacement — standard 7/16-inch hex-shaped bore interchanges with most conveyor roller bearing sizes currently in use.

Available from Stock — inventories of all sizes in stock for fast shipment from either factory or any Regal Rexnord authorized distributors.

High-Speed Operation — ball retainer permits a higher speed of 2,000 rpm that matches maximum conveyor requirements.

One-Piece Outer Ring — precision machined from solid, hardened steel, outer ring will not spread or split like fabricated designs.

Total Value Package — a dependable, low-cost choice with the best combination of features for retrofit applications or new designs.

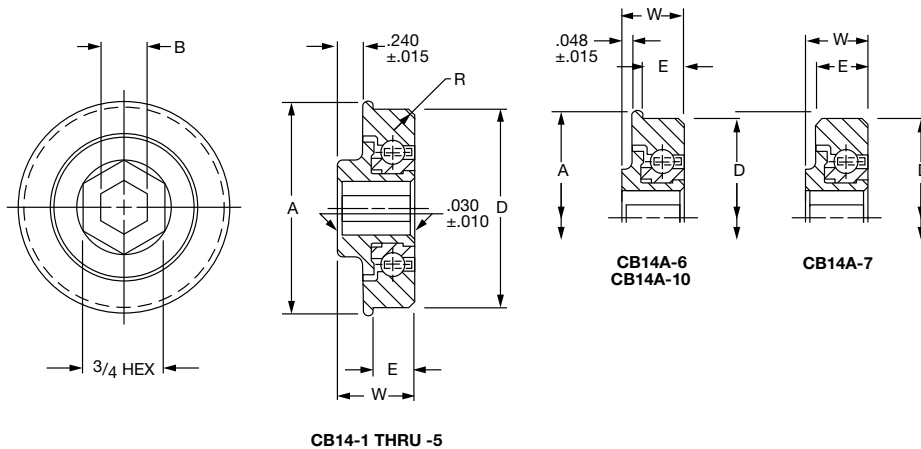


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APPLICATION

Flange-type design is engineered for convenient, press-fit installation on ends of conveyor rolls. The nylon ball retainer permits reliable operation at speeds up to 2,000 rpm higher than standard full-complement ball bearings. The quiet-running CB-14 series easily replaces most standard conveyor-type bearings for significant noise reduction in plants and warehouses.



To order, specify Bearing Number. Example: CB14-1

Bearing Number	Hex Bore B	Outside Diameter D +.005/-0.000	Flange A ± .015"	Width		R	Manufacturer's Part No. Interchange ⁽¹⁾
				W ± .015"	E ± .015"		
CB14-1	.466/.456	1.464	1.537	0.712	0.372	3/16	Rapistan 4933-70481
CB14-2	.466/.456	1.498	1.574	0.712	0.410	5/64	Frantz 01, Bush 190
CB14-3	.466/.456	1.524	1.600	0.712	0.410	5/64	Mathews B 1020-1, -2
CB14-4	.466/.456	1.875	1.951	0.712	0.410	5/64	Kendale BFC 1877-446
CB14-5	.466/.456	1.598	1.675	0.712	0.410	5/64	Standard 231
CB14A-6	.466/.456	1.707	1.783	0.520	0.410	5/64	Litton 200 PL
CB14A-7	.466/.456	1.707	—	0.520	0.472	5/64	B30194 (195PL)
CB14A-10	.466/.456	1.623	1.700	0.520	0.410	5/64	Schatz AFH2852, Frantz 16242

⁽¹⁾ Applies to Bore and O.D. only.



Regal Rexnord

regalrexnord.com

www.kilianbearings.com | 315-432-0700

1728 Burnet Avenue
Syracuse, NY 13206 - USA

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