



**HIGHER-CAPACITY
01E & 02E SERIES
BEARINGS**



COOPER[®]
SPLIT ROLLER BEARINGS

Less downtime, more capacity and longer life

Cooper 01E and 02E split roller bearings not only save hours of downtime — they give you greater load capacity than any other split roller bearings of similar size with **23% to 135% longer L₁₀ life**.

These redesigned bearings are fully interchangeable with our standard-setting Cooper 01 and 02 Series, yet provide **up to 29% more radial capacity and 16% to 90% more axial load capacity**, depending on size.

Like all Cooper split roller bearings, the

01E (medium-duty) and 02E (heavy-duty) Series are completely split to the shaft, which significantly reduces downtime by eliminating the need to disassemble all the components on a shaft. And their extended L₁₀ life translates to even more uptime, with greater-than-ever intervals between replacement.

These rugged bearings have larger rollers than the 01 and 02 Series, as well as robust brass cages. They provide the same superior sealing and energy-

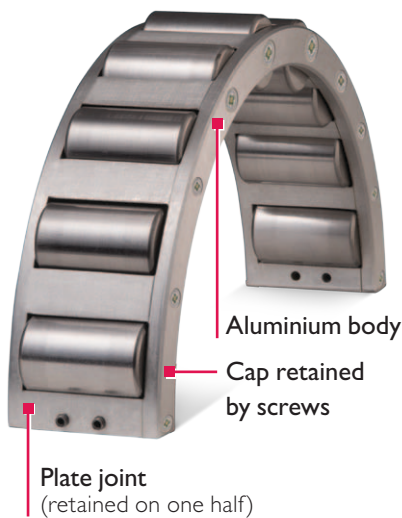
efficiency with the identical exterior dimensions, delivering greater capacity in the same space.

01E and 02E Series bearings are available in bore sizes from 6-7/16 inches to 12 inches (160mm to 300mm), with factory-set clearances. Complemented by our extra-heavy-duty 03 Series, high-speed 04 Series and compact 100 Series, they offer Cooper customers a comprehensive range of split roller bearings to suit their applications.

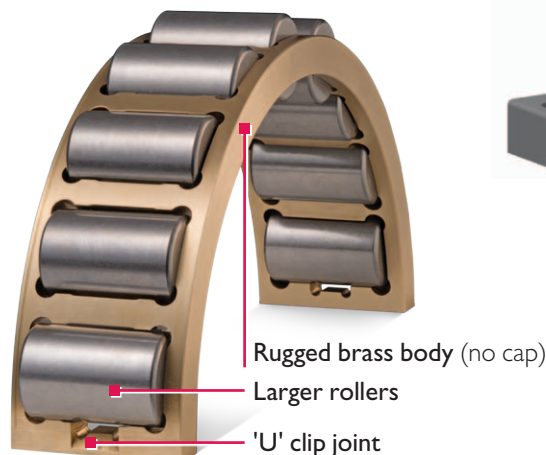
Features & Benefits

Higher load capacities – radial as much as 29%, axial as much as 90%	Longer L ₁₀ life and greater safety margins
Brass cage is standard	Stands up to most environments, including underground
Dimensionally interchangeable with corresponding 01 and 02 bearings	No changes needed to housing, cartridge or shaft

01 & 02 design



01E & 02E design



Size range and load ratings

Group Reference	Shaft Size		Bearing Reference		Cr (lb)	Cor (lb)	Ca (lb)	Maximum Speed (rpm)
	(in)	(mm)						
01E 608	6 7/16"	160mm	01E B 607	01E B 160M	133500	194000	12710	1320
	6 1/2"	170mm	01E B 608	01E B 608-170M				
01E 700	6 15/16"	170mm	01E B 615	01E B 170M	125100	190000	11730	1220
		175mm	01E B 700	01E B 175M				
	7"	180mm	01E B 700	01E B 180M				
01E 800	7 15/16"	190mm	01E B 715	01E B 190M	152600	242300	16310	1070
	8"	200mm	01E B 800	01E B 200M				
01E 900	9"	220mm	01E B 900	01E B 220M	160600	267800	17950	930
		230mm		01E B 230M				
01E 1000	10"	240mm	01E B 1000	01E B 240M	180700	307400	21730	820
		250mm		01E B 250M				
		260mm		01E B 1000-260M				
01E 1100	11"	260mm	01E B 1100	01E B 260M	206100	350700	28500	730
		270mm		01E B 270M				
		275mm		01E B 275M				
		280mm		01E B 280M				
01E 1200	12"	290mm	01E B 1200	01E B 290M	234000	423900	31150	650
		300mm		01E B 300M				
Group Reference	Shaft Size		Bearing Reference		Cr (lb)	Cor (lb)	Ca (lb)	Maximum Speed (rpm)
	(in)	(mm)						
02E 608	6 7/16"	160mm	02E B 607	02E B 160M	199300	283700	16020	1200
	6 1/2"	170mm	02E B 608	02E B 170M				
02E 700	6 15/16"	175mm	02E B 615	02E B 175M	210400	300000	18610	1120
		7"	180mm	02E B 700				
02E 800	7 15/16"	190mm	02E B 715	02E B 190M	255500	365700	27350	960
	8"	200mm	02E B 800	02E B 200M				
02E 900	9"	220mm	02E B 900	02E B 220M	277300	418800	31120	850
		230mm		02E B 230M				
02E 1000	10"	240mm	02E B 1000	02E B 240M	302600	446400	37650	750
		250mm		02E B 250M				
		260mm		02E B 260M				
02E 1100	11"	280mm	02E B 1100	02E B 280M	347300	547500	42730	670
02E 1200	12"	300mm	02E B 1200	02E B 300M	373100	614900	48020	610

Complete bearing solutions

Cooper invented the split-to-the-shaft bearing more than 100 years ago and has remained the industry leader through continuous innovation and outstanding customer support. Our bearings pay for themselves with trouble-free operation, increased productivity and lower installation costs vs. conventional bearings.

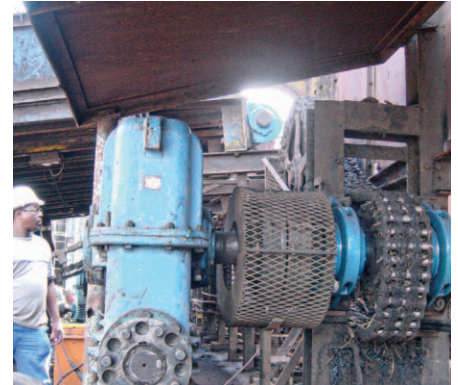
The standard Cooper range meets most application needs, sealing out contamination in the dirtiest environments and even adapting to shaft misalignment. We also tailor bearings to special needs. Mounting options include square or round flange, take-up, rod end, hanger, and pillow block.

We manufacture these hard-working bearings for customers around the world, supporting them with comprehensive engineering and applications experience, expert training, and other technical resources. To see how a Cooper split-to-the-shaft bearing can maximize your uptime, call us today.

Typical applications, 01E Series and 02E Series



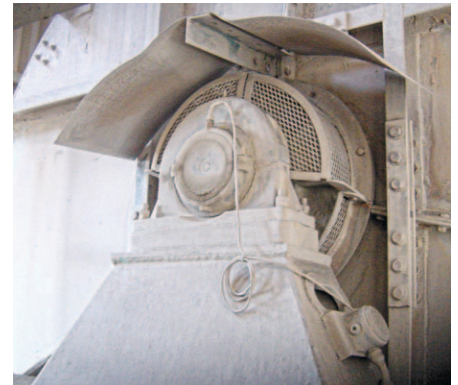
Coal stacker and reclaimer



Conveyor drive



Bucket wheel excavator



Cement fan

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