

COOPER Split cylindrical roller bearing Series: 02

The Cooper Split Roller Bearing uses cylindrical rollers and components made in halves. Assembly of these halves around the shaft eliminates removal of couplings, gearboxes, pulleys etc, and simplifies shaft design. Cylindrical rollers allow unrestricted shaft expansion within the 'EX' bearing and can accommodate moderate axial loads with the 'GR' bearing.

FIXED TYPE BEARINGS (GR)

The outer race of the fixed (GR) bearing has shoulders integral with the roller track, while the inner race assembly has shoulders formed by hardened lips on the clamping rings or similar integral shoulders. This type of bearing provides axial location to the rotating portions of machinery and can sustain both radial and axial loading. The inner race halves are accurately aligned by means of fitted clamping rings.

EXPANSION TYPE BEARINGS (EX)

The expansion (EX) bearing has a plain outer race roller track. This bearing takes radial load only. The inner race is clamped to the shaft, and moves axially with it when expansion or contraction occurs. The Cooper expansion bearing offers virtually no resistance to axial movement as the rollers piral through the outer race.

Characteristics

Series: 02 Type: B

Manufacturer ID	Shaft diameter	Outer diameter	Width	Outer ring width	Bearing type	Internal clearance	Article
	mm	mm	mm	mm			
02B60MMEX	60	127	72.3	38.9	Expansion Type	CN (normal)	MSM60BX-COOPER
02B60MMGR	60	127	72.3	38.9	Retained Type	CN (normal)	MSM60BR-COOPER
02B65MMEX	65				Expansion Type	CN (normal)	MSM65BX-COOPER
02B65MMGR	65				Retained Type	CN (normal)	MSM65BR-COOPER
02B75MMEX	75	149.22	82.6	46.1	Expansion Type	CN (normal)	MSM75BX-COOPER
02B75MMGR	75	149.22	82.6	46.1	Retained Type	CN (normal)	MSM75BR-COOPER
02B80MEX	80	169.86	89.7	48.4	Expansion Type	CN (normal)	MSM80BX-COOPER
02B80MMGR	80	170	90	48.4	Retained Type	CN (normal)	MSM80BR-COOPER
02B85MMEX	85	170	90	48.4	Expansion Type	CN (normal)	MSM85BX-COOPER
02B85MMGR	85	170	90	48.4	Retained Type	CN (normal)	MSM85BR-COOPER
02B90MMEX	90	169.86	89.7	48.4	Expansion Type	CN (normal)	MSM90BX-COOPER
02B90MMGR	90	169.86	89.7	48.4	Retained Type	CN (normal)	MSM90BR-COOPER

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E-mail: bearings@eriks.co.uk

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PR3881290976064622_EN_05.05.2024