COOPER Split cylindrical roller bearing Series: 01

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: 01 Type: B

Manufacturer ID	Shaft diameter	Shaft diameter	Outer diameter	Width	Outer ring width	Bearing type	Internal clearance	Article
	mm	in	mm	mm	mm			
01B300EX		3				Expansion Type	CN (normal)	LSE300BX- COOPER
01B300GR		3				Retained Type	CN (normal)	LSE300BR- COOPER
01B40MMGR	40		84.14	50.1	23.8	Retained Type	CN (normal)	LSM40BR- COOPER
01B55MMEX	55					Expansion Type	CN (normal)	LSM55BX- COOPER
01B55MMGR	55					Retained Type	CN (normal)	LSM55BR- COOPER
01B60MMGR	60					Retained Type	CN (normal)	LSM60BR- COOPER
01B65MMEX	65					Expansion Type	CN (normal)	LSM65BX- COOPER
01B65MMGR	65					Retained Type	CN (normal)	LSM65BR- COOPER
01B70MMEX	70					Expansion Type	CN (normal)	LSM70BX- COOPER
01B70MMGR	70					Retained Type	CN (normal)	LSM70BR- COOPER
01B75MMEX	75					Expansion Type	CN (normal)	LSM75BX- COOPER
01B75MMGR	75					Retained Type	CN (normal)	LSM75BR- COOPER
01B80MMGR	80					Retained Type	CN (normal)	LSM80BR- COOPER
01B85MMEX	85					Expansion Type	CN (normal)	LSM85BX- COOPER
01B85MMGR	85					Retained Type	CN (normal)	LSM85BR- COOPER
01B90MMEX	90					Expansion Type	CN (normal)	LSM90BX- COOPER
01B90MMGR	90					Retained Type	CN (normal)	LSM90BR- COOPER
01B100MMEX	100					Expansion Type	CN (normal)	LSM100BX- COOPER
01B100MMGR	100					Retained Type	CN (normal)	LSM100BR- COOPER

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Manufacturer ID	Shaft diameter	Shaft diameter	Outer diameter	Width	Outer ring width	Bearing type	Internal clearance	Article
	mm	in	mm	mm	mm			
01B105MMEX	105					Expansion Type	CN (normal)	LSM105BX- COOPER
01B105MMGR	105					Retained Type	CN (normal)	LSM105BR- COOPER
01B110MMEX	110		203.2	84.9	49.9	Expansion Type	CN (normal)	LSM110BX- COOPER
01B110MMGR	110		203.2	84.9	46.9	Retained Type	CN (normal)	LSM110BR- COOPER
01B120MMEX	120		222.25	89.7	54	Expansion Type	CN (normal)	LSM120BX- COOPER
01B120MMGR	120		222.25	89.7	54	Retained Type	CN (normal)	LSM120BR- COOPER
01B125MMEX	125		222.25	89.7	54	Expansion Type	CN (normal)	LSM125BX- COOPER
01B125MMGR	125		222.25	89.7	54	Retained Type	CN (normal)	LSM125BR- COOPER
01B130MMEX	130		222.25	89.7	54	Expansion Type	CN (normal)	LSM130BX- COOPER
01B140MMEX	140		241.3	98.4	98.4	Expansion Type	CN (normal)	LSM140BX- COOPER
01B140MMGR	140		241.3	98.4	98.4	Retained Type	CN (normal)	LSM140BR- COOPER

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