



# Machinery Parts Co., Ltd.

HSR85LR[1,2,3,4,5,6,7,8,9]+[  
320-3000/1]L[H,P] THK Standard Linear  
Guide Accuracy and Preload Selectable HSR Series

Bearing No.  
HSR85LR[1,2,3,4,5,6,7,8,9]+[320-3000/1]L[H,  
P]

HSR85LR[1,2,3,4,5,6,7,8,9]+[320-3  
000/1]L[H,P] Bearing 2D drawings and 3D CAD  
models

Days to Ship	32 Days
Block Type	[Long] LR: Long Tall Height
The number of LM blocks combined with a axis	1 ~ 9
Nominal Part Number	85
Rail Width W1	85 mm
Material	Carbon Steel
Mounting Height M	110 mm
Rail Length L	320 ~ 3000 mm
Radial Clearance	Normal
Accuracy Grade	High Grade / Precision Grade
Retainer	N/A
Rolling Element	Ball
Basic Load Rating Dynamic Rating C(N)	367000
Basic Load Rating Static Rating Co(N)	464000
Allowable Static Moment MA(N m)	16900
Allowable Static Moment MB(N m)	16900
Allowable Static Moment MC(N m)	16700



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Block Mounting Hole Pitch (Width Direction)	100 mm
Block Mounting Hole Pitch (Length Direction)	140 mm
Block Mounting Hole Diameter	18
Rail Mounting Hole Pitch	180 mm
Rail Mounting Hole Diameter	24
Symbols for Dust Resistance	None (Not Recommended)
Block external dimension W	156 mm
Block external dimension L	303 mm
Mounting hole for blocks	Tapped Holes
Number of Block Mounting Holes(holes)	4
Mounting Hole Dimension S(M)	M18
Mounting Hole Screw Depth	25 mm
Block dimension L1	236 mm