



Machinery Parts Co., Ltd.

HSR85HB[1,2,3,4,5,6,7,8,9][
DD, KK, RR, SS, UU, ZZ]C[0,1]+[32
0-3000/1]L THK Standard Linear Guide Accuracy
and Preload Selectable HSR Series

Bearing No.

HSR85HB[1,2,3,4,5,6,7,8,9][DD, KK, RR, S
S, UU, ZZ]C[0,1]+[320-3000/1]L

HSR85HB[1,2,3,4,5,6,7,8,9][DD,
KK, RR, SS, UU, ZZ]C[0,1]+[320-3000/1]L
Bearing 2D drawings and 3D CAD models

Days to Ship	32 Days
Block Type	[Wide Long] HB: Long Flanged w/Thru Holes
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	Light Preload / Medium Preload
Accuracy Grade	Normal Grade (Best Leadtime)
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



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Allowable Static Moment MC(N m)	16700
Block Mounting Hole Pitch (Width Direction)	185 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	SS: End and Side Seals (Best Leadtime) / UU: End Seals
Advanced Seal Options (Longer Leadtime)	DD: Double End Seals and Side Seals / KK: DD + Metal Scraper / RR: Low Resistance End + Side Seal / ZZ: SS + Metal Scraper
Block external dimension W	215 mm
Block external dimension L	303 mm
Mounting hole for blocks	Thru Holes
Number of Block Mounting Holes(holes)	6
Mounting Hole Dimension H(∅)	18
Mounting Hole Screw Depth	Through mm
Block dimension L1	236 mm