



Machinery Parts Co., Ltd.

HSR85HA[1,2,3,4,5,6,7,8,9][
DD, KK, RR, SS, UU, ZZ]+[320-3000/1
]L THK Standard Linear Guide Accuracy and
Preload Selectable HSR Series

Bearing No.
HSR85HA[1,2,3,4,5,6,7,8,9][DD, KK, RR, S
S, UU, ZZ]+[320-3000/1]L

HSR85HA[1,2,3,4,5,6,7,8,9][DD,
KK, RR, SS, UU, ZZ]+[320-3000/1]L Bearing
2D drawings and 3D CAD models

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| Days to Ship | 32 Days |
| Block Type | [Wide Long] HA: Long Flanged w/Tapped 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 | Normal |
| 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 |
| Allowable Static Moment | 16700 |



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|---|--|
| MC(N m) | |
| Block Mounting Hole Pitch (Width Direction) | 185 mm |
| Block Mounting Hole Pitch (Length Direction) | 140 mm |
| Block Mounting Hole Diameter | 20 |
| 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 | Tapped Holes |
| Number of Block Mounting Holes(holes) | 6 |
| Mounting Hole Dimension S(M) | M20 |
| Mounting Hole Screw Depth | Through mm |
| Block dimension L1 | 236 mm |