



# NTN BEARINGS INDUSTRY

HSR55R[1,2,3,4,5,6,7,8,9][D  
 D, KK, LL, RR, SS, UU, ZZ]+[180-30  
 00/1]L[H, P, SP, UP] THK Standard Linear  
 Guide Accuracy and Preload Selectable HSR Series

Bearing No.  
 HSR55R[1,2,3,4,5,6,7,8,9][DD, KK, LL, RR,  
 SS, UU, ZZ]+[180-3000/1]L[H, P, SP, UP]

HSR55R[1,2,3,4,5,6,7,8,9][DD, K  
 K, LL, RR, SS, UU, ZZ]+[180-3000/1]L[H,  
 P, SP, UP] Bearing 2D drawings and 3D CAD  
 models

Days to Ship	27 Days
Block Type	[Standard] R: Tall Height
The number of LM blocks combined with a axis	1 ~ 9
Nominal Part Number	55
Rail Width W1	53 mm
Material	Carbon Steel
Mounting Height M	80 mm
Rail Length L	180 ~ 3000 mm
Radial Clearance	Normal
Accuracy Grade	High Grade / Precision Grade / Super Precision Grade / Extra High Precision Grade
Retainer	Available
Rolling Element	Ball
Basic Load Rating Dynamic Rating C(N)	121000
Basic Load Rating Static Rating Co(N)	146000
Allowable Static Moment MA(N m)	2600
Allowable Static Moment MB(N m)	2600



## NTN BEARINGS INDUSTRY

Allowable Static Moment MC(N m)	3430
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 / LL: Low Resistance End Seal / RR: Low Resistance End + Side Seal / ZZ: SS + Metal Scraper
Block external dimension W	100 mm
Block external dimension L	163 mm
Mounting hole for blocks	Tapped Holes
Number of Block Mounting Holes(holes)	4
Mounting Hole Dimension S(M)	M12
Mounting Hole Screw Depth	18 mm
Block dimension L1	118 mm