

High-Load Ball Screw for Presses New HBN-P

April 13, 2020

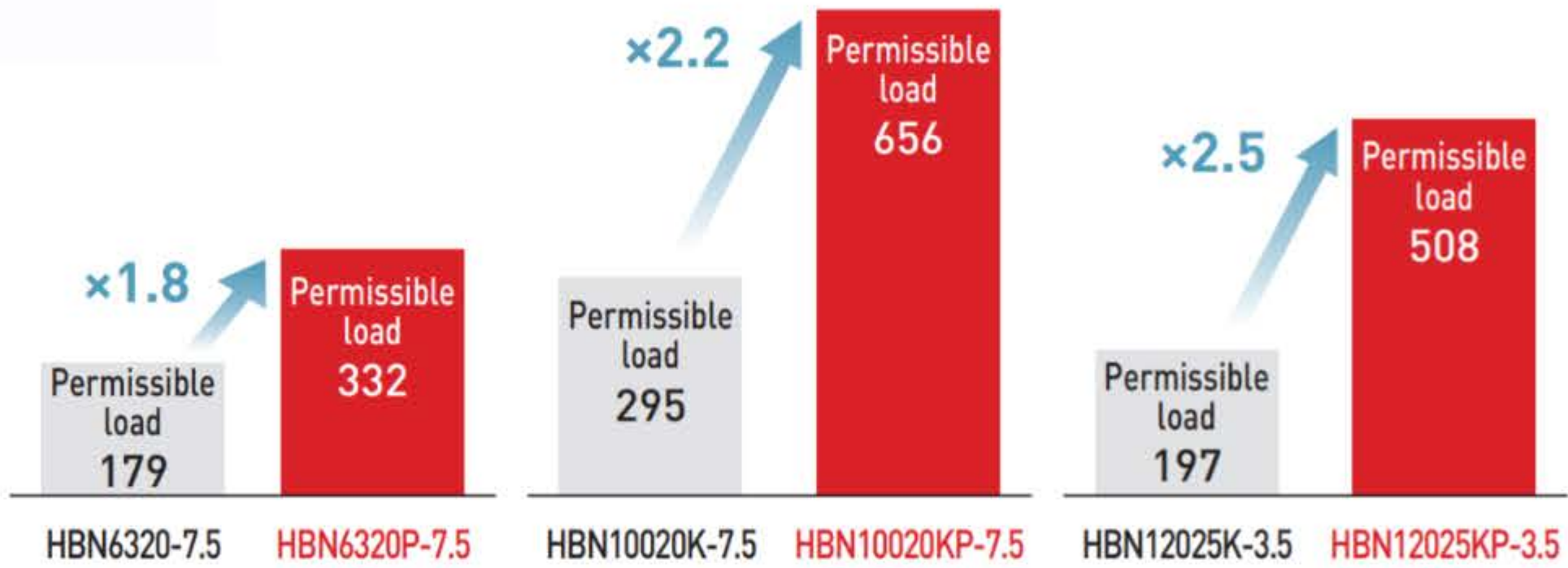


The HBN-P is a ball screw designed for use in press machines. The permissible load has been increased compared to the conventional HBN and HBN-K.

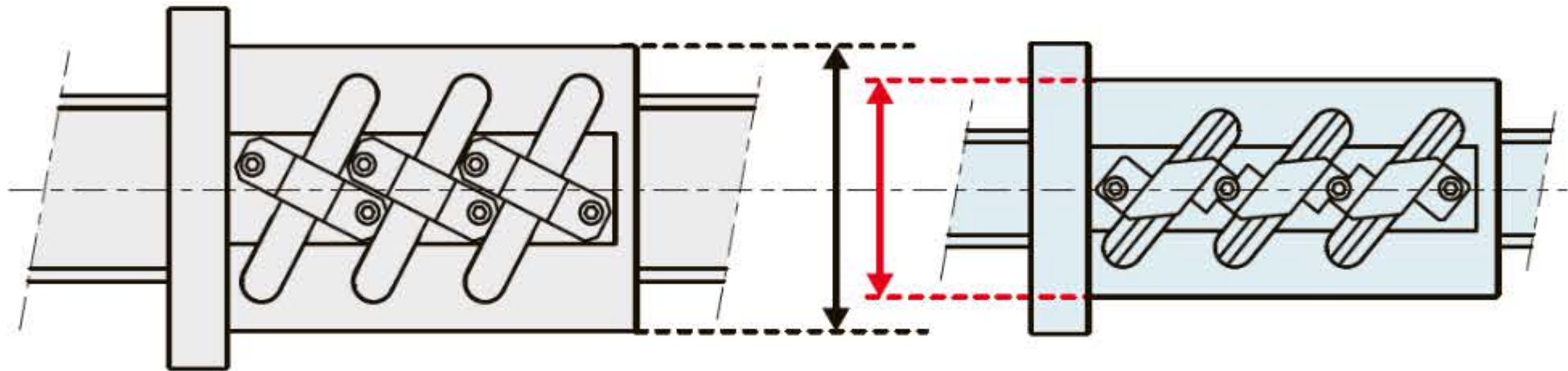
Approximately doubles the permissible load. Reduces equipment size.

Increases the permissible load to approximately double that of the conventional HBN and HBN-K. Features a high permissible load so it can be used with a smaller shaft diameter than the HBN and HBN-K. As a result, peripheral components and therefore the machine itself can remain compact.

The Permissible Load comparison with HBN and HBN-K



Ball Screw Nut External Diameter Comparison



Conventional HBN-K	For Presses HBN-P
HBN10020K-7.5	HBN6320P-7.5
Nut outer diameter: φ154mm	Nut outer diameter: φ117mm
Permissible load: 295kN	Permissible load: 332kN

Lineup

- Model HBN-P Lineup of products with screw shaft outer diameter of φ40 and 63
- Model HBN-KP Lineup of products with screw shaft outer diameter of φ80, 100, 120, and 140

Unit: mm

Screw shaft outer diameter	Lead			
	12	20	25	40
φ40	HBN4012P			
φ63		HBN6320P		
φ80		HBN8020KP		
φ100		HBN10020KP		HBN10040KP
φ120			HBN12025KP	
φ140				HBN14040KP

Note) This information was originally released in Japanese on April 6, 2020.