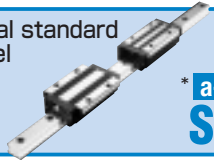
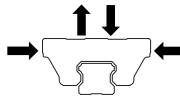
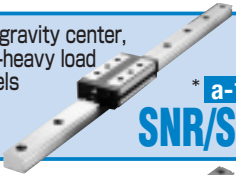
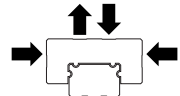
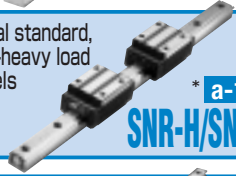
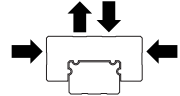
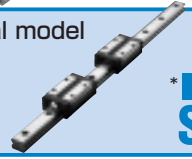
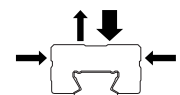
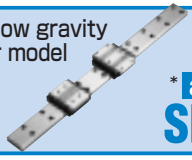
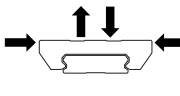

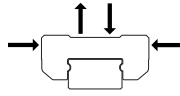
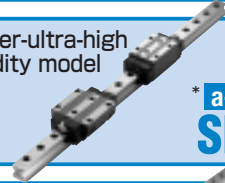
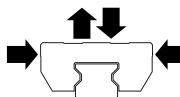
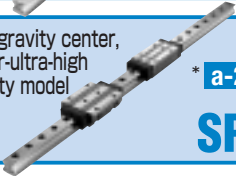
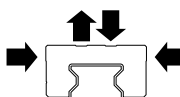


2.3. Caged Ball/Roller LM Guides®

Caged
Ball/Roller
LM GuidesCaged Ball
LM GuidesCaged Roller
LM Guides

	Features	Load capacity diagram	Major application
Global standard model  * a-134 SHS	<ul style="list-style-type: none"> Has dimensions almost the same as that of the full-ball type LM Guide model HSR, which is practically a global standard model. 4-way equal-load design allows SHS to be used in all orientations. 		Machining center NC lathe Drilling machine Electric discharge machine Conveyance system
Low gravity center, ultra-heavy load models  * a-104 SNR/SNS	<ul style="list-style-type: none"> Ultra-heavy load, high rigidity. Improved damping characteristics. Selectable from the radial-type SNR and the 4-way equal load type SNS. 		Machining center NC lathe Grinding machine Penta-plano milling machine
Global standard, ultra-heavy load models  * a-104 SNR-H/SNS-H	<ul style="list-style-type: none"> Has dimensions almost the same as that of the full-ball type LM Guide model HSR, which is practically a global standard model. Ultra-heavy load, high rigidity. Improve damping characteristics. Selectable from the radial-type SNR-H and the 4-way equal load type SNS-H. 		Machining center NC lathe Grinding machine Penta-plano milling machine
Radial model  * a-86 SSR	<ul style="list-style-type: none"> Low mounting height, compact design. Optimal for horizontal guide due to large radial load capacity. 		Grinding machine Semiconductor manufacturing machine Printed circuit board drilling machine 3D measuring instrument Chip mounter Medical equipment
Wide, low gravity center model  * a-154 SHW	<ul style="list-style-type: none"> Capable of receiving a large moment due to a 4-way equal-load, wide, low gravity center structure. The geometrical moment of inertia of the LM rail is large and the lateral rigidity is high. 		Printed circuit board drilling machine Semiconductor manufacturing machine Electric discharge machine Insertion machine Optical stage
Light-weight, compact model  * a-170 SRS	<ul style="list-style-type: none"> The most compact type in the Caged Ball LM Guide series. Light-weight, low-inertia structure. 		Semiconductor manufacturing machine Optical stage Medical equipment IC bonder
Super-ultra-high rigidity model  * a-186 SRG	<ul style="list-style-type: none"> Has dimensions almost the same as that of the full-ball type LM Guide model HSR, which is practically a global standard model. Super-ultra-high rigidity structure using rollers as rolling elements. Smooth motion through prevention of rollers from skewing. 		Penta-plano milling machine Ultra-precision machining center Heavy cutting machine Ultra-precision lathe Jig boring machine
Low gravity center, super-ultra-high rigidity model  * a-204 SRN	<ul style="list-style-type: none"> Super-ultra-high rigidity structure using rollers as rolling elements. Smooth motion through prevention of rollers from skewing. Compact design based on model SRG, with a lower total height. 		Penta-plano milling machine Ultra-precision machining center Heavy cutting machine Ultra-precision lathe Jig boring machine

* Note: These indicate the corresponding reference page numbers of the "THK General Catalog - Product Specifications," provided separately.