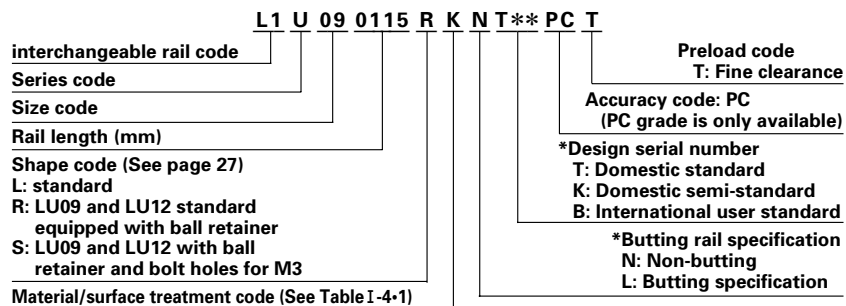


Dimensions of LU Series (Interchangeable rail)



Example of reference number

Regular rail (non-butting) with fine clearance



\* Please consult with NSK for butting rail specification.

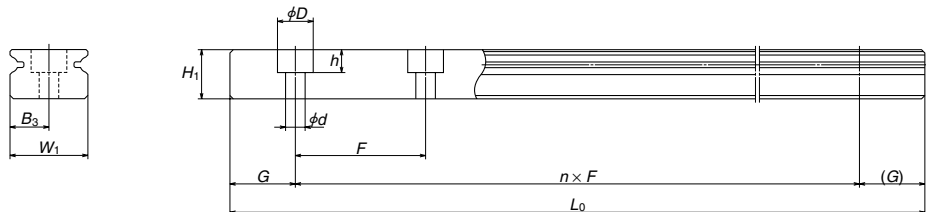


Table. I-5-34

Unit: mm

Model No.	Rail							Weight (g/100mm)
	Width $W_1$	Height $H_1$	$F$	$WB_3$	Mounting bolt hole $d \times D \times h$	G (recommended)	Max. length $L_{0MAX}$ ( ) for stainless	
L1U09	9	5.5	20	4.5	2.6×4.5×3 3.5×6×4.5	7.5	(600)	35
L1U12	12	7.5	25	6	3×5.5×3.5 3.5×6×4.5	10	(800)	65
L1U15	15	9.5	40	7.5	3.5×6×4.5	15	2000 (1000)	105

A-I-5.8 LL Series

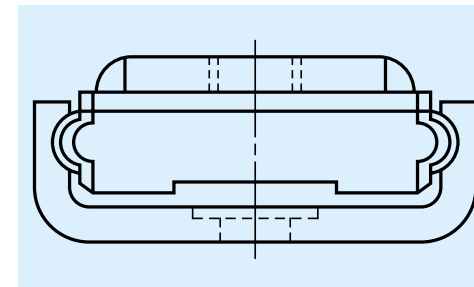


Fig. I-5-23 LL Series

(1) Super light-weight, and compact

This compact guide has a single ball groove on both right and left sides (gothic arch). Rails and ball slides are made of stainless steel plate, therefore they are lightweight.

Also, the ball groove is made outside the ball slide to reduce overall size and to obtain high speed.

(2) Stainless steel is standard.

Rails and bearings are made of martensitic stainless steel.

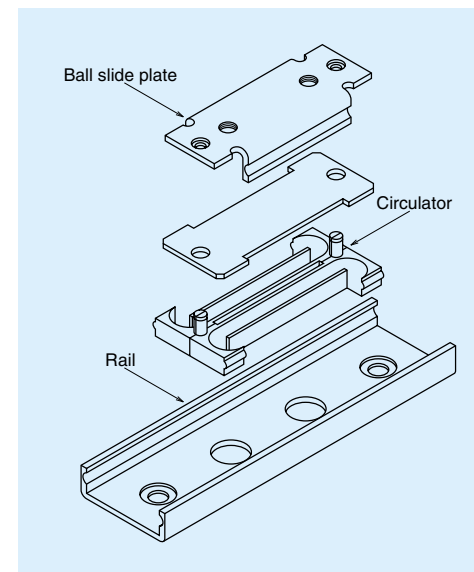
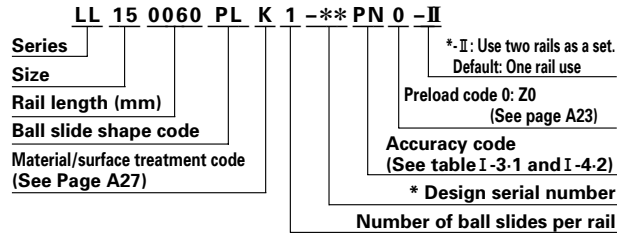


Fig. I-5-24 LL Series structure

Dimensions of LL Series

LL (Miniature, light-weight)



\* Please note that we assign the design number, and omit the last code (II) that indicates a use of two rails as a set to finalize the reference number as product identification.

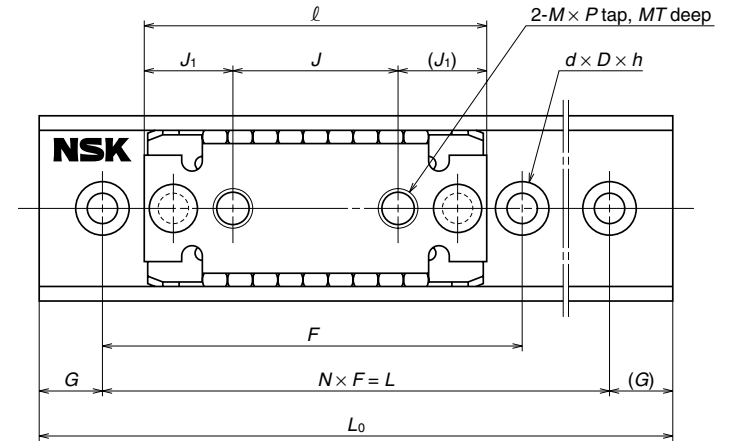
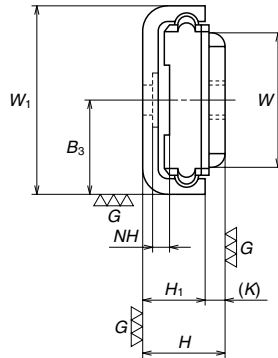


Table. I-5-35

Model No.	Assembly		Ball slide							Height	Pitch	N
	Height	Width	Length	Mounting hole			MT	J <sub>1</sub>	K			
				J	M × pitch	MT						
LL15	6.5	15	10.6	27	13	M3×0.5	1.2	7	1.5	5	30	1
											40	1
											30	2
											40	2
											50	2

Remarks:

1. LL Series does not have a ball retainer. Be aware that the balls fall out when a bearing is withdrawn from the rail.
2. Seal Is not available. Please provide the dust-prevention measures on the equipment.
3. Do not use an installation screw on the ball slide which exceeds MT (maximum screw depth allowance) in the dimension table.
4. Use "No.0 of Machine screw 1" of "cross recessed machine screw for precision machinery (Japan Camera Industry Association standard: JCS 10-70)."

Unit: mm

Rail					Basic load rating					Ball dia.	Weight	
Mounting bolt hole	NH	Bs	G	Rail length	Dynamic	Static	Static moment			D <sub>w</sub>	Ball slide	Rail
							C	C <sub>0</sub>	M <sub>RO</sub>			
d × D × h	1.2	7.5	5	40	880	785	7	3	3	2	6	9
				60								11
				75								13
				90								16
				120								21