

Raw material and processing technology of guide rail body and circular guide rail

The main body of each type of guide rail adopts 6065 aluminum alloy as production raw material and is formed by 10,000 tons aluminum profile extruder. The accuracy of the body conforms to the national ultra-high precision standard for aluminum profile.

Use CNC processing equipment parts and the molded body mounting hole to ensure the accuracy of the finished rail.

The round shaft adopts chrome-plated bearing steel round guide rails produced in Taiwan. The processing technology is to quench and temper the bearing steel round guide rails through high frequency heat treatment. The hardness of the body reaches Rockwell hardness of $62 \pm 2^\circ$ and the outer diameter tolerance after grinding is $-6 \sim -17. \mu\text{m}$, the surface is chrome-plated to prevent rust and increase wear resistance.

Assembly and positioning process of guide rail body and circular guide rail

Locating pin fixation: Locating pin holes are processed on the two sides of the guide rail body by CNC equipment, and the round shaft is put into the pre-made round shaft column holes on the two sides of the guide rail body. The $\Phi 4$ positioning pins are placed into the positioning pin holes to position the round shaft fixed.

The positioning technology is applied to the inner clip double-axis guide rails, structural guide rails, timing belt guide rails, modular guide rails, and linear slide products.

Raw material and production process of slider

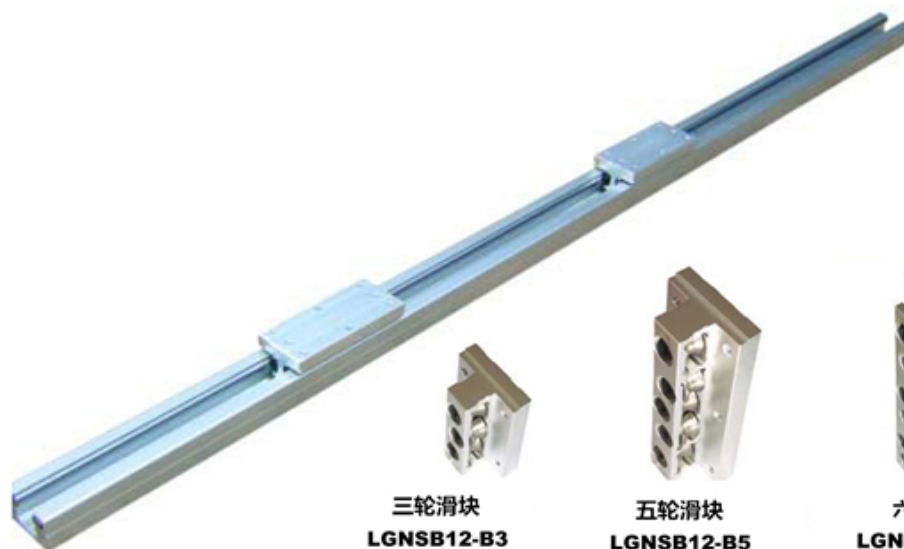
The body of each type of sliders uses 6065 aluminum alloy as the raw material and is produced by 10,000 tons of aluminum profile extruder. The accuracy of the body conforms to the national ultra-high precision standard of aluminum alloy profile.

Use CNC each mounting hole molding processing equipment and parts of the body to ensure the accuracy of the finished integrated slider.

The steel wheels and special fixing screws for assembling the sliders are produced by grinding-grade technology. Mounted inside the drum shaft angular contact bearing.

内夹式标准型双轴心导轨

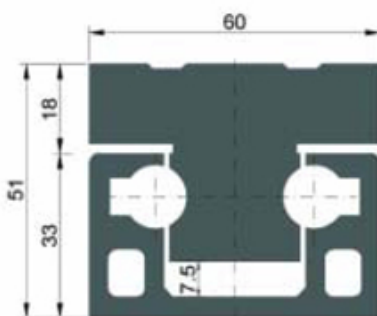
Inside shaft Type



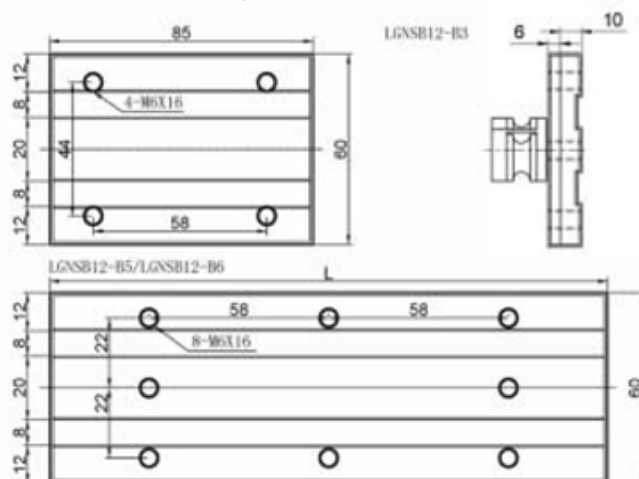
三轮滑块
LGNSB12-B3

五轮滑块
LGNSB12-B5

六轮滑块
LGNSB12-B6



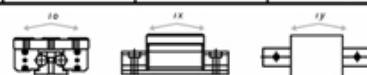
Guide & Carriage



carriage dimension

型号	滑块尺寸 (mm)			基本额定负荷		容许静力矩			重量
Model	Dimensions (mm)			Basic dynamic load rating C(kgf)	Basic static load rating Co(kgf)	Allowable static moment			weight Kg / pc
	L	W	H			To kgf-m	Tx kgf-m	Ty kgf-m	
LGNSB12-B3	85	60	39.5	110	200	9	9	16	0.35
LGNSB12-B5	142	60	39.5	220	400	9	18	26	0.57
LGNSB12-B6	184	60	39.5	270	435	9	22	32	0.75
LGNS12	1000	60	33						3.75Kg/M

公称型号的订购例 1 LGNS12 - N L N:导轨长度
2 LGNSB12 - B5 滑块种类



Website: WWW.LF-TW.COM
E-mail: TWLFZT@163.COM



TEL: +86 411 8431-9129
FAX: +86 411 8431-9029