

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

Interference fit and fixation: Put the round shaft into the prefabricated round shaft column holes on the two sides of the guide rail body, and place the steel sleeve into the fixing hole in the middle of the guide rail body. The interference fit is generated, so that the circular guide rail is fixed on both sides of the guide rail.

The positioning technology is applied to the outer clamp type double-axis linear guide products (LGD12B)

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. Angular contact bearings are mounted inside the steel wheel.

外夹式双轴心导轨

Outside shaft Type

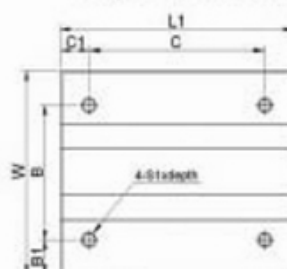
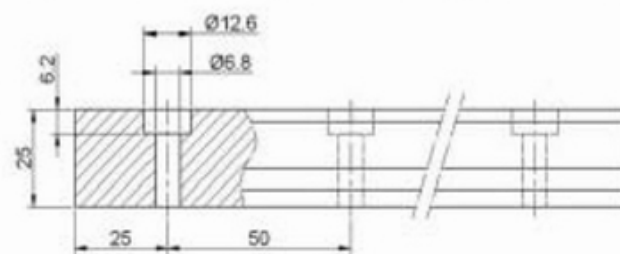
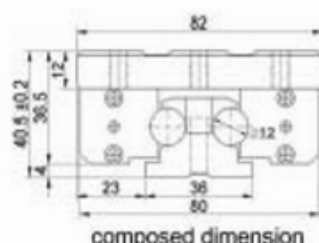


短型滑块
LGDB12-V

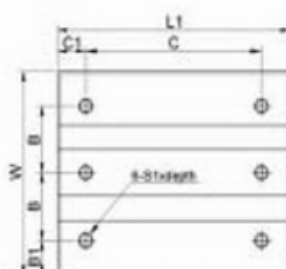
标准型滑块
LGDB12-S

加长型滑块
LGDB12-L

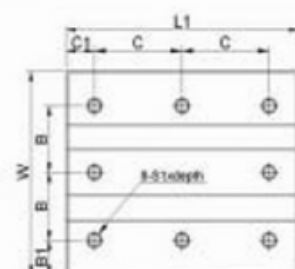
重荷型滑块
LGDB12-XL



LGDB12-V



LGDB12-S / L



LGDB12-XL

型号	滑块尺寸(mm)							基本额定负荷		容许静力矩			重量
Model	Dimensions of carriage (mm)							Basic dynamic load rating	Basic static load rating	Allowable static moment			weight
								C(kgf)	Co(kgf)	To	Tx	Ty	
LGDB12-V	82	64	54	14	40	12	M6x12	100	150	2.1	1.6	1.9	0.32
LGDB12-S	82	100	27	14	76	12	M6x12	270	435	8.1	6.0	7.2	0.57
LGDB12-L	82	140	27	14	116	12	M6x12	270	435	8.1	10.8	12.7	0.73
LGDB12-XL	82	160	27	14	68	12	M6x12	290	460	8.7	11.2	13.6	0.90
LGDB12	36(W) x 25(H)												3.2Kg/M

公称型号的订购例 1 LGD12B - N L
2 LGDB12-S

N:导轨长度
滑块种类



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



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