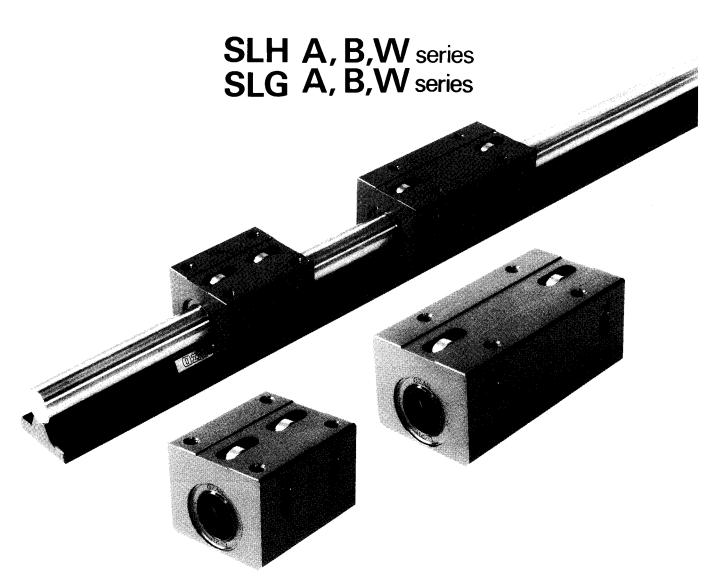


# 

## SUPER LINEAR BEARINGS

**Under Patent Application** 



No Impact Noises!! No Rolling Vibrations!!

DZAC offers a No-Jolt Super Silent.

Smooth Super Linear Motion!!



### **Features**

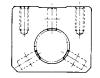
- 1. The SLH and SLG series, (IZAK) super linear bearings, provide quiet, smooth linear motion, eliminating the structural defects of existing linear bearings which include impact noises caused directly by balls colliding with each other and rolling noises resulting from the complicated raceways needed for the circulating motion of balls.
- 2. The series, equipped with a built-in clearance adjusting device in the housing, provides linear motion free from any jolts.
- Note: The clearance adjustment is completed prior to shipment. **DZAK** linear shafts are recommended for use along with this series.
- Its compact housing, a high-grade aluminium alloy product with excellent corrosion resistance, facilitates a lighter, thinner and shorter machine construction.
- 4. This series, has an extremely low frictional resistance uniformly distributed throughout its linear motion. The series has a stabilized, smooth linear motion through its entire stroke.
- Even during high speeds, the movement of the rolling balls is extremely silent making for a smoother, more improved work environment.
- 6. The series is free from grease or oil lubrication under normal conditions. Also, this series offers one unit with both ends sealed to assure dustfree operation.

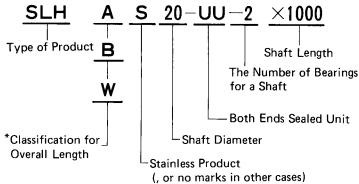
Note: The product requires regular lubrication because the sealing on both its ends causes an additional sliding resistance. Without sealing or lubrication provided, this series is best suited for use in clean rooms.

7. Three different kinds of housing length are available in this series, offering the best choice for installation space. Also this series includes assembled stainless-bearing types, the SLHS and SLGS series, to meet rustproofing specifications.

## Types and Numbering System

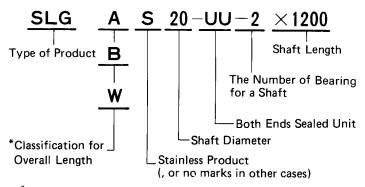
Super Linear Housing Type





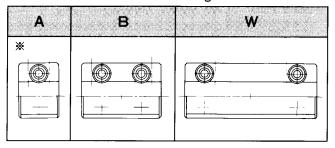
Super Linear Guide Type





<sup>\*</sup>At least two A-type products are required for one shaft.

Table 103 : Classification in Length



#### Rated Life

Formulas, Page 22, (1) and (2), are also applicable for the rated life calculation of this series.