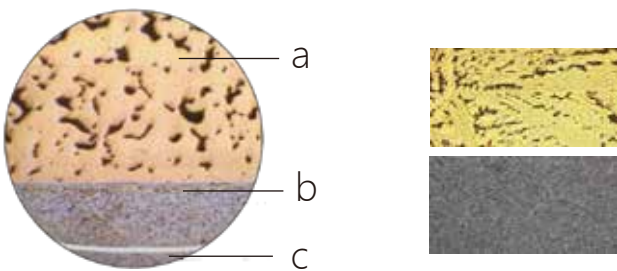


## Features

Steel shell backed with a lead bronze lining bearing material for oil lubricated applications. This material has high load capacity and good fatigue properties. It is widely used in automotive applications such as compressors, steering gear, power steering, pedal bearings, king-pin bushes, tailgate pivots, mechanical handling and lifting equipment, hydraulic motors, agricultural machinery etc.



## Structures

- a Sinter bronze powder: good wear resistance and excellent load carrying capacity.
- b. Steel backing: provides exceptionally high load carrying capacity, excellent heat dissipation.
- c. Copper plating thickness 0.002mm provides good corrosion resistance

## Chemical Compositions

Material	Alloy composition	International standard	Alloy hardness
VSB-800	CuPb10Sn10	JIS-LBC3/SAE-797	HB70-100
VSB-720	CuPb24Sn4	JIS-LBC6/SAE-799	HB45-70
VSB-700	CuPb30	JIS-KJ3/SAE-48	HB30-45
VSB-J20	AlSn20Cu	JIS-AJL/SAE-783	HB30-40

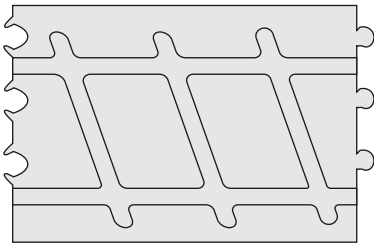
## VSB-800 Tech. Data

Max. load	Static	250N/mm <sup>2</sup>		Alloy hardness	HB 70 100
	Dynamic	140N/mm <sup>2</sup>		Temp.	-40 °C + 250 °C
Max. speed (Lubricated)		2m/s		Friction coefficient	0.05 0.20
Max. PV		2.BN/mm <sup>2</sup> *m/s		Thermal conductivity	60W(m*k)
Breaking Load		350N/mm <sup>2</sup>		Coef. of thermal expansion	14*10 <sup>-6</sup> *k <sup>-1</sup>

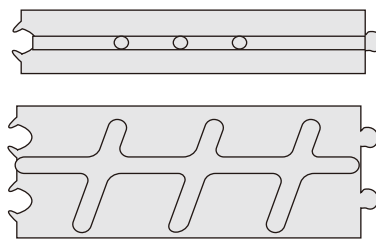


## Technical type display

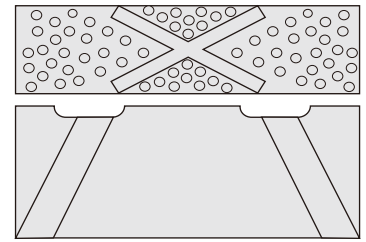
### Lubrication tank design



A Series

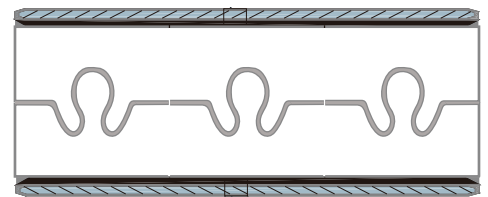
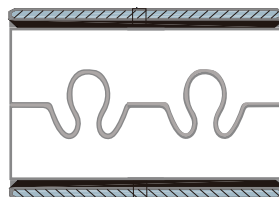
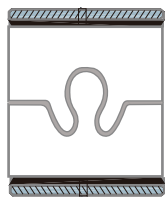
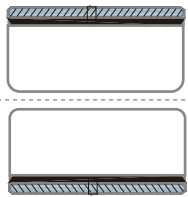


B Series



C Series

### Type of connection



Has high fatigue strength, high bearing capacity, high impact resistance and wear resistance. It is suitable for medium load, medium to high speed occasions such as gearbox, rocker shaft sleeve, main pin, transmission device, common shaft sleeve, etc

With medium fatigue strength and bearing capacity, good sliding performance is suitable for high speed and low load internal combustion engine bearing shell refrigerator, hypoid gearbox, hydraulic pump, gearbox, etc automatic gearbox, etc

Good sliding performance, good bite resistance. It is a kind of special material. The surface is not suitable for processing oil groove and oil hole. Generally, it needs to be plated with soft alloy. It is suitable for high-speed and medium low load diesel engine main shaft sleeve and connecting rod shaft sleeve, as well as for hydraulic pump, automatic gearbox, etc