直线轴承的代号
Type Number Format

SS LM 25 L GS DD –S

类型 Type	
SS	套圈材质：102Cr17Mo Ferrule material: 102Cr17Mo

类型 Type	
LM	公制，亚洲应用广泛 Metric dimension series most widely used in Asia
LME	公制，主要是欧洲使用 Metric dimension series generally used in Europe
LMB	英制，主要是美洲使用 Inch dimension series used mainly in America

公称轴径
Nominal Shaft Diameter

符号 Symbol	代表意义 Specification
不标 No entry	标准型 Standard type
L	加长型 Double type

符号 Symbol	代表意义 Specification
不标 No entry	钢球材质：GCr15 Material GCr15 steel ball
S	钢球材质：95Cr18 Material 95Cr18 steel ball

密封 Seal	
符号 Symbol	代表意义 Specification
不标 No entry	不锈钢挡圈 Stainless steel retaining ring
D	耐腐蚀单密封 Corrosion resistant, single seal
DD	耐腐蚀双密封 Corrosion resistant, double seal

符号 Symbol	代表意义 Specification
不标 No entry	保持架材质： PA66 Material of cage PA66
GS	保持架材质：不锈钢 Material stainless steel cage

结构和优点
Structure and Features

1.较强的耐腐蚀性
SSLM系列外圈采用不锈钢材质，不易生锈，具有较强的耐腐蚀性。钢球和保持架均可选用不锈钢材质，进一步增强产品耐酸、耐碱、耐潮湿和耐高温的特性。

2.质量稳定耐磨损
不锈钢材质机械强度大、耐磨程度高，经高温热处理后硬度能达到HRC56以上，可长时间保持产品精度，确保产品质量稳定、延长使用寿命。

3.良好的互换性
SSLM系列与LM系列结构相同，两者之间相同型号的轴承可互换使用。

1. Strong corrosion resistance
SSLM series outer ring is made of stainless steel, which is not easy to rust and has strong corrosion resistance. Steel balls and cages can be made of stainless steel to further enhance the acid, alkali, moisture and high temperature resistance of the products.

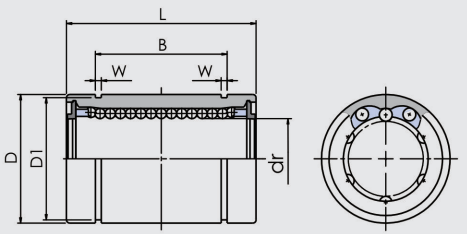
2. Stable quality and wear resistance
Stainless steel has high mechanical strength and high wear resistance, and its rigidity can reach more than HRC56 after high temperature heat treatment, which can maintain product accuracy for a long time, ensure stable product quality and prolong service life.

3. Good interchangeability
SSLM series and LM series have the same structure, and the same type of bearings can be used interchangeably between them.

SSLM…DD 不锈钢直线轴承
该类型尺寸是公制的，广泛用于亚洲和其他国家
SSLM…DD （Stainless steel linear bearing）
This type is a metric dimension series widely Used in Asia and other countries



SSLM…DD



公称轴径 Nominal Shaft diameter mm	标准型 SSLM…DD	钢球列数 Ball circuit	主要尺寸和公差 Major Dimensions and Tolerance										偏心 Eccentricity μm	最大径向间隙 Radial clearance (Max) μm	额定负荷 Basic load rating		重量 Weight (g)
			dr		D		L		B		W	D1			动负荷 Dynamic C N	静负荷 Static Co N	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	mm					
3	SSLM3	4	3	0 –8	7	0 –9	10	0 –120	–	–	–	–	8	–3	69	105	1.5
4	SSLM4	4	4		8		12		–	–	–	–			88	127	2.2
5	SSLM5DD	4	5		10		15		10.2		1.1	9.6			167	206	3.6
6	SSLM6DD	4	6		12	0 –11	19		13.5		1.1	11.5	12		206	265	7.5
8	SSLM8DD	4	8		15		24		17.5		1.1	14.3			274	392	13.1
10	SSLM10DD	4	10	0 –9	19		29	0 –200	22	0 –200	1.3	18		–4	372	549	24.5
12	SSLM12DD	4	12		21	0 –13	30		23		1.3	20			510	784	27.2
13	SSLM13DD	4	13		23		32		23		1.3	22			510	784	39.2
16	SSLM16DD	5	16		28		37		26.5		1.6	27			774	1,180	74.1
20	SSLM20DD	5	20	0 –10	32	0 –16	42		30.5		1.6	30.5	15	–6	882	1,370	83.2
25	SSLM25DD	6	25		40		59		41		1.85	38			980	1,570	206.8
30	SSLM30DD	6	30		45		64		44.5		1.85	43		–8	1,570	2,740	224.7
35	SSLM35DD	6	35	0 –12	52	0 –19	70	0 –300	49.5	0 –300	2.1	49			1,670	3,140	353.1
40	SSLM40DD	6	40		60		80		60.5		2.1	57	20	–10	2,160	4,020	554.5
50	SSLM50DD	6	50		80		100		74		2.6	76.5		–13	3,820	7,940	1523.5
60	SSLM60DD	6	60	0/–15	90	0/–22	110		85		3.15	86.5	25		4,700	10,000	1629.3

注：小尺寸（3和4mm内径）无密封。
Note: Smaller sizes (3 and 4mm I.D.) are non–seal type only.

SSLM20 GS DD –S

		Non–standard	
不标	钢球材质:GCr15	Non–standard	Material GCr15 steel ball
S	钢球材质:95Cr18	S	Material stainless steel ball

		Non–standard	
不标	不锈钢挡圈	Non–standard	Stainless steel retaining ring
D	耐腐蚀单密封	D	Corrosion resistant, single seal
DD	耐腐蚀双密封	DD	Corrosion resistant, double seal

		Non–standard	
不标	保持架材质:PA66	Non–standard	Material of cage PA66
GS	保持架材质:不锈钢	GS	Material stainless steel cage