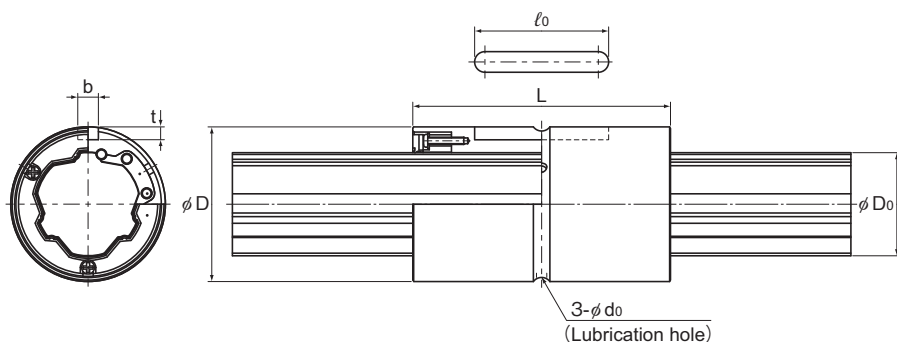


Model SLS



Model No.	Spline nut dimensions							
	Outer diameter		Length		Keyway dimensions			Lubrication hole
	D	Tolerance	L	Tolerance	$\frac{b}{H8}$	$\frac{t}{+0.1 \atop 0}$	ℓ_0	d_0
SLS25	37	0 -0.016	60	0 -0.3	5	3	33	2
SLS25L			70					
SLS30	45	0 -0.016	70		7	4	41	3
SLS30L			80					
SLS40	60	0 -0.019	90		10	4.5	55	3
SLS40L			100					
SLS50	75	0 -0.019	100		15	5	60	4
SLS50L			112					
SLS60	90	0 -0.022	127	0 -0.4	18	6	68	4
SLS60L			140					
SLS70	100	0 -0.022	110		18	6	68	4
SLS70L			135					
SLS80	120	0 -0.025	140		20	7	80	5
SLS80L			155					
SLS100	140	0 -0.025	160		28	9	93	5
SLS100L			185					

Model number coding

2 SLS50 UU CL +700L P K

Model No.

Symbol for clearance
in the rotational direction
(*2)

Symbol for standard hollow spline shaft (*4)
Accuracy symbol (*3)

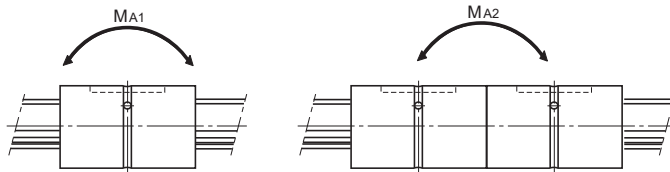
Contamination protection
accessory symbol (*1)

Overall spline shaft length (*5)
(in mm)

Number of spline nuts on one shaft (no symbol for one nut)

(*1) See **A3-126**. (*2) See **A3-30**. (*3) See **A3-35**. (*4) See **A3-48**. (*5) See **A3-121**.

High Torque Caged Ball Spline



Unit: mm

	Basic torque rating		Basic load rating		Static permissible moment		Mass	
	C_T N·m	C_{0T} N·m	C kN	C_0 kN	M_{A1} N·m	M_{A2} N·m	Spline Nut kg	Spline shaft kg/m
	219.9 261.9	306.8 394.5	18.2 21.7	22.5 29	136 220	851 1203	0.15 0.18	3.51
	366.5 416.4	513.3 616	25.4 28.9	31.5 37.8	233 330	1341 1803	0.3 0.34	5.05
	818.9 890	1135.4 1277.3	42.8 46.5	52.5 59.1	520 652	2801 3529	0.69 0.79	9.18
	1373.4 1571.2	1783.1 2165.2	57.6 65.9	66.2 80.4	687 996	4156 5349	1.3 1.47	14.45
	2506.7 2723.2	3321 3736.2	87.8 95.3	103 115.8	1452 1820	7733 9570	2.25 2.5	21.23
	2986.3 3708.4	3474.7 4738.2	89.7 111.4	92.5 126.1	1038 1867	6392 10135	2.13 2.71	28.57
	4664.6 5195.3	5477.4 6390.4	122.8 136.8	127.7 148.9	1739 2327	11482 14491	4.22 4.77	37.49
	8922.3 10424.4	10211.6 12764.6	188.2 219.8	190.7 238.4	3155 4816	19118 26463	5.2 6.22	58.97