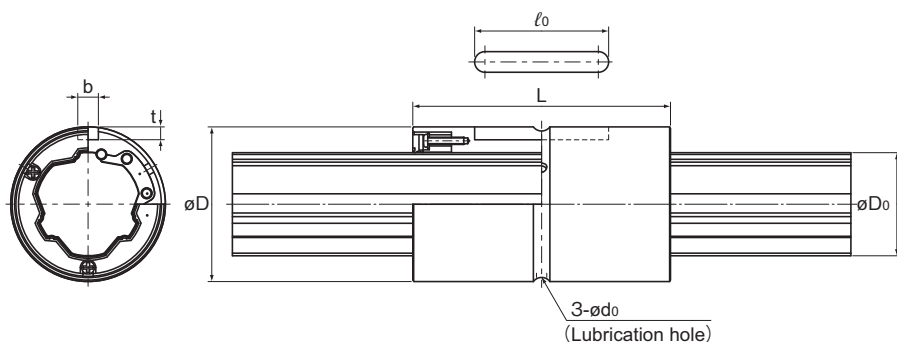


Model SLS



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	0 -0.3	15	5	60	4
SLS50L			112					
SLS60	90	0 -0.022	127		18	6	68	4
SLS60L			140					
SLS70	100	0 -0.022	110		18	6	68	4
SLS70L			135					
SLS80	120	0 -0.025	140	0 -0.4	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 direction²

Symbol for standard hollow spline shaft⁴

Accuracy symbol³

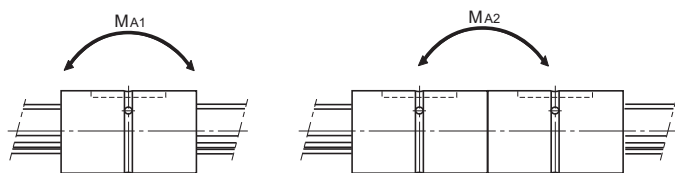
Contamination protection
accessory symbol¹

Overall spline shaft length⁵
(in mm)

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

¹ See **A3-128**. ² See **A3-32**. ³ See **A3-37**. ⁴ See **A3-50**. ⁵ See **A3-123**.

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 1,203	0.15 0.18	3.51
	366.5 416.4	513.3 616	25.4 28.9	31.5 37.8	233 330	1,341 1,803	0.3 0.34	5.05
	818.9 890	1,135.4 1,277.3	42.8 46.5	52.5 59.1	520 652	2,801 3,529	0.69 0.79	9.18
	1,373.4 1,571.2	1,783.1 2,165.2	57.6 65.9	66.2 80.4	687 996	4,156 5,349	1.3 1.47	14.45
	2,506.7 2,723.2	3,321 3,736.2	87.8 95.3	103 115.8	1,452 1,820	7,733 9,570	2.25 2.5	21.23
	2,986.3 3,708.4	3,474.7 4,738.2	89.7 111.4	92.5 126.1	1,038 1,867	6,392 10,135	2.13 2.71	28.57
	4,664.6 5,195.3	5,477.4 6,390.4	122.8 136.8	127.7 148.9	1,739 2,327	11,482 14,491	4.22 4.77	37.49
	8,922.3 10,424.4	10,211.6 12,764.6	188.2 219.8	190.7 238.4	3,155 4,816	19,118 26,463	5.2 6.22	58.97

Ball Spline