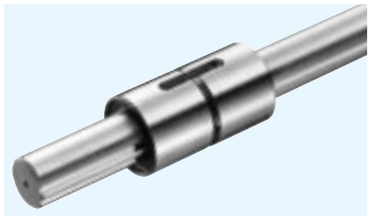
SSP TYPE
– Cylindrical Spline Nut –

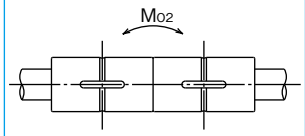


part number structure

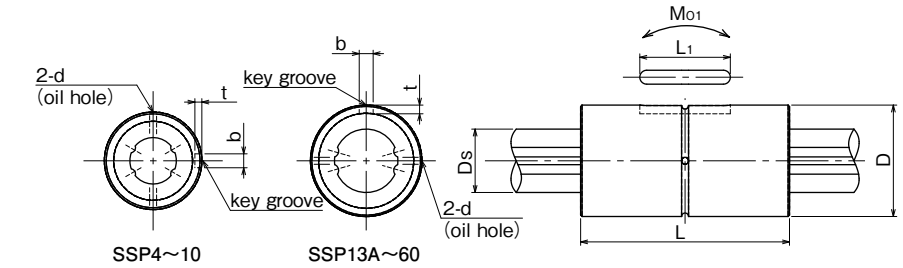
example **SSP 80 L-2-T1-600-P/CU**

- specification — **SSP**: standard; **SSPS**: anti-corrosion
- nominal diameter
- nut length — **blank**: standard; **L**: long
- number of nuts attached to one shaft
- spline shaft total length
- accuracy grade — **blank**: high; **P**: precision
- with special specification
- preload symbol — **blank**: standard; **T1**: light; **T2**: medium

Note: retainer material is resin.

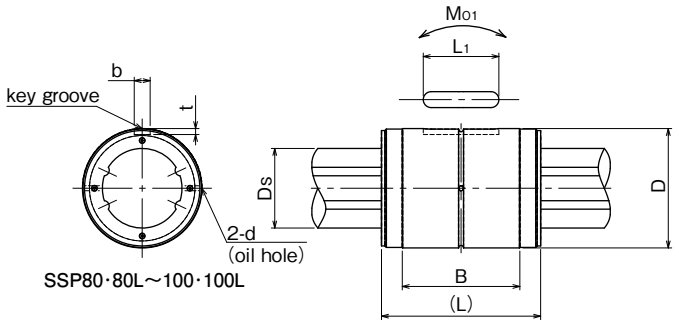


When two spline nuts are used in close contact.



SSP4～10　　SSP13A～60

※SSP4 spline nut does not come with any oil hole.



SSP80·80L～100·100L

part number		major dimensions										
		D		L		B	b		t +0.05 0	L1	d	
standard	anti-corrosion	mm	tolerance μm	mm	tolerance mm	mm	mm	tolerance μm	mm	mm	mm	
SSP 4	SSPS 4	10	0/−9	16	0 −0.2	–	2	+14 0	1.2	6	–	
SSP 6	SSPS 6	14	0 −11	25			2.5		1.2	10.5	1	
SSP 8	SSPS 8	16		25			2.5		1.2	10.5	1.5	
SSP 10	SSPS10	21	0 −13	33			3		1.5	13	1.5	
SSP 13A	SSPS13A	24		36			3		1.5	15	1.5	
SSP 16A	SSPS16A	31	0 −16	50			3.5	+18 0	2	17.5	2	
SSP 20A	SSPS20A	35		63			4		2.5	29	2	
SSP 25A	SSPS25A	42		71	0 −0.3		4		2.5	36	3	
SSP 30A	—	47		80			4		2.5	42	3	
SSP 40A	—	64	0 −19	100			6		3.5	52	4	
SSP 50A	—	80		125			8	+22/0	4	58	4	
SSP 60A	—	90	0 −22	140			12	+27 0	5	67	4	
SSP 80	—	120		160	–	118.2	16		6	76	5	
SSP 80L	—	120		217		175.2				110		
SSP100	—	150	0 −25	185		132.6	20	+33 0	7	110	5	
SSP100L	—	150		248		195.6				160		
SSP 20	SSPS20	32	0 −16	60	0/−0.2	–	4	+18 0	2.5	26	2	
SSP 25	SSPS25	37		70	0 −0.3		5		3	33	3	
SSP 30	—	45		80			7	+22 0	4	41	3	
SSP 40	—	60	0 −19	100			10		4.5	55	4	
SSP 50	—	75		112			15	+27 0	5	60	4	
SSP 60	—	90	0/−22	127			18		6	68	4	

SSP type spline nut comes with a key (refer to page B-14).

Ds		basic torque rating		basic load rating		allowable static moment		mass		size
		dynamic	static	dynamic	static			nut	shaft	
mm	tolerance μm	CT N・m	COT N・m	C kN	Co kN	MO1 N・m	MO2 N・m	kg	kg/m	
4	0 −12	0.74	1.05	0.86	1.22	1.97	10.3	0.0065	0.10	4
6		1.5	2.4	1.22	2.28	5.1	40	0.019	0.21	6
8	0 −15	2.1	3.7	1.45	2.87	7.4	50	0.023	0.38	8
10		4.4	8.2	2.73	5.07	18.0	116	0.054	0.60	10
13	0 −18	21	39.2	2.67	4.89	13.7	109	0.07	1.0	13A
16		60	110	6.12	11.2	46	299	0.15	1.5	16A
20	0 −21	105	194	8.9	16.3	110	560	0.22	2.4	20A
25		189	346	12.8	23.4	171	1,020	0.33	3.7	25A
30		307	439	18.6	23.2	181	1,470	0.36	5.38	30A
40	0 −25	674	934	30.8	37.5	358	2,940	0.95	9.55	40A
50		1,290	2,950	40.3	64.9	690	4,080	1.9	15.0	50A
60	0 −30	1,570	2,620	47.7	79.5	881	5,470	2.3	21.6	60A
80		3,860	6,230	83.1	134	2,000	11,100	5.1	39	80
		5,120	9,340	110	201	4,410	21,100	7.6		80L
100	0 −35	6,750	11,500	135	199	3,360	19,300	9.7	61	100
		8,960	17,300	179	298	7,340	37,700	13.9		100L
18.2	0 −21	83	133	7.84	11.3	63	500	0.2	2.0	20
23		162	239	12.3	16.1	104	830	0.22	3.1	25
28		289	412	18.6	23.2	181	1,470	0.35	4.8	30
37.4	0 −25	637	882	30.8	37.5	358	2,940	0.81	8.6	40
47		1,390	3,180	46.1	74.2	696	4,400	1.5	13.1	50
56.5	0/−30	2,100	4,800	58.0	127	1,300	8,800	2.5	19	60

1kN≒102kgf　1N・m≒0.102kgf・m