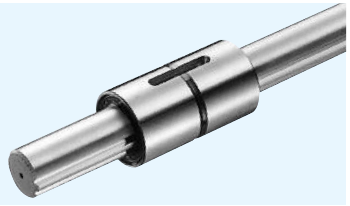
SSP TYPE
– Cylindrical Spline Nut –

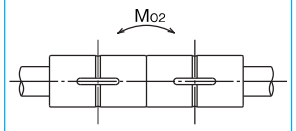


part number structure

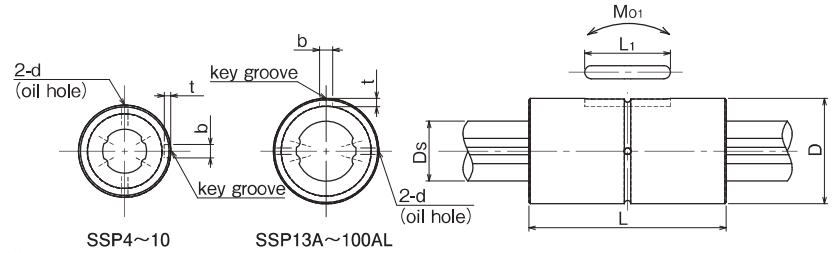
example **SSP 80 L-2-T1-600-P/CU**

- 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
- preload symbol — **blank**: standard; **T1**: light; **T2**: medium
- with special specification

Note: retainer material is resin.



When two spline nuts are used in close contact.



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

part number		major dimensions									
		D		L		b		t		L1	d
standard	anti-corrosion	mm	tolerance μm	mm	tolerance mm	mm	tolerance μm	mm	tolerance mm	mm	mm
SSP 4	SSPS 4	10	0/−9	16	0 −0.2	2	+14 0	1.2	+0.05 0	6	—
SSP 6	SSPS 6	14	0	25		2.5		1.2		10.5	1
SSP 8	SSPS 8	16	−11	25		2.5		1.2		10.5	1.5
SSP 10	SSPS10	21	0	33		3		1.5		13	1.5
SSP 13A	SSPS13A	24	−13	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 80A	—	120		160	0 −0.4	16		6	+0.1 0	76	5
SSP 80AL	—	120		217						110	
SSP100A	—	150	0 −25	185		20	+33 0	7		110	5
SSP100AL	—	150		248						160	
SSP 20	SSPS20	32	0 −16	60	0/−0.2	4	+18 0	2.5	+0.05 0	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	3,420	47.7	79.5	881	5,470	2.3	21.6	60A
80		4,500	6,460	92.8	108	1,990	10,500	6.4	39	80A
		5,980	9,690	123	162	4,310	20,980	9.1		80AL
100	0 −35	9,180	12,000	151	160	3,350	18,200	11.2	61	100A
		12,100	18,000	200	240	7,210	35,600	15.8		100AL
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