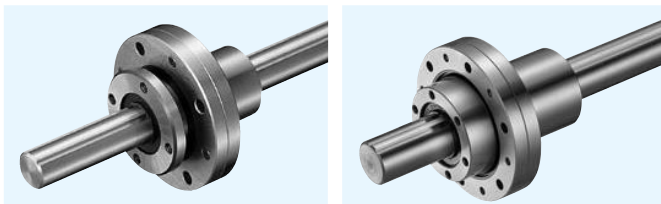


SPR TYPE



part number structure

example **SPR 25 - 2 - T1 - 436 / CU**

SPR type

nominal diameter

number of nuts attached to one shaft

Note: retainer material is resin.

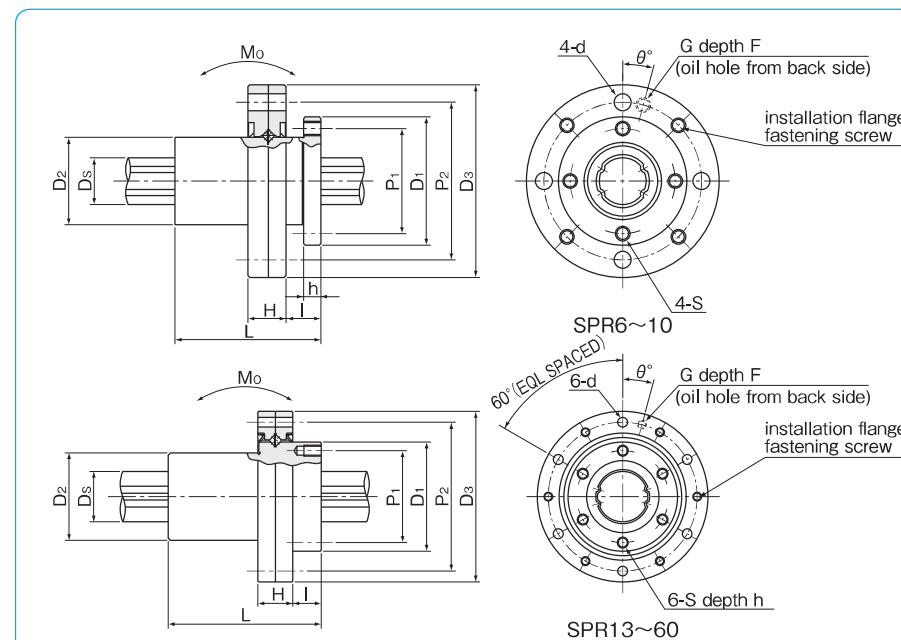
with special specification

spline shaft total length

preload symbol
blank: standard
T1: light
T2: medium

part number	major dimensions						major dimensions of cross roller bearing												
	D ₁	D ₂	L		P ₁	S	h	I	H	D ₃	P ₂	d	G	F	θ				
	tolerance				tolerance	P.C.D.					tolerance	P.C.D.							
	mm	μm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm	mm				
SPR 6	20		13	25	0	16	M2	2.5	5	6.5	30	0/-21	24	2.4	M3	5	20°		
SPR 8	22	0	15	25		18	M2.5	3	6	6.5	33	0	27	2.9	M3	5	20°		
SPR10	27	-21	19	33		22	M3	4	8	7	40		33	3.4	M3	5	20°		
SPR13	29		24	36	-0.2	24	M3	5	8	9	50		-25	42	3.4	M3	5	15°	
SPR16	36		31	50	0	30	M4	6	10	11	60	0	50	4.5	M3	5	15°		
SPR20A	44	0	35	63		38	M4	7	12	13	72		62	4.5	M6×0.75	5.5	15°		
SPR25A	55	-25	42	71		47	M5	8	13	16	82		-30	72	4.5	M6×0.75	7	15°	
SPR30A	61	0	47	80	0	52	M6	10	17	17	100	0	86	6.6	M6×0.75	7.5	15°		
SPR40A	76	-30	64	100		-0.3	66	M6	10	23	20		120	-35	104	9	M6×0.75	9	15°
SPR50A	92	0	80	125		80	M8	13	24	22	134		0	118	9	M6×0.75	10	15°	
SPR60A	107	-35	90	140		95	M8	13	25	25	155	-40	137	9	M6×0.75	11.5	15°		
SPR20	40	0	34	60	0/-0.2	34	M4	7	12	13	66	0	56	4.5	M6×0.75	5.5	15°		
SPR25	50	-25	40	70	0	42	M5	8	13	16	78	-30	68	4.5	M6×0.75	7	15°		
SPR30	61	0	47	80		52	M6	10	17	17	100	0	86	6.6	M6×0.75	7.5	15°		
SPR40	76	-30	62	100		-0.3	64	M6	10	23	20	120	-35	104	9	M6×0.75	9	15°	
SPR50	88	0	75	112		77	M8	13	24	22	130	0	114	9	M6×0.75	10	15°		
SPR60	102	-35	90	127		90	M8	13	25	25	150	-40	132	9	M6×0.75	11.5	15°		

Please contact NB for the grease fitting and relubrication method.



spline shaft Ds tolerance	ball spline				cross roller bearing			allowable static moment Mo N · m	mass		size
	basic torque rating dynamic CT N · m	static CoT N · m	basic load rating dynamic C kN	static Co kN	dynamic CR kN	static CoR kN	※maximum revolutions rpm		nut kg	shaft kg/m	
mm	μm										
6	0/-12	1.5	2.4	1.22	2.28	0.6	0.5	2,940	5.1	0.04	6
8	0	2.1	3.7	1.45	2.87	1.2	1.10	2,580	7.4	0.05	8
10	-15	4.4	8.2	2.73	5.07	2.4	2.45	2,060	18.0	0.09	10
13	0	21	39.2	2.67	4.89	2.9	3.70	1,350	13.7	0.17	13
16	-18	60	110	6.12	11.2	5.6	6.70	1,080	46	0.33	16
20	0	105	194	8.9	16.3	6.55	8.79	890	110	0.57	20A
25	0	189	346	12.8	23.4	9.63	12.7	700	171	0.81	25A
30	-21	307	439	18.6	23.2	11.8	17.1	640	181	1.19	30A
40	0	674	934	30.8	37.5	23.0	32.3	510	358	2.25	40A
50	-25	1,290	2,950	40.3	64.9	27.8	44.0	430	690	3.57	50A
60	0/-30	1,570	2,620	47.7	79.5	29.0	48.8	370	881	5.03	60A
18.2	0	83	133	7.84	11.3	5.90	7.35	980	63	0.45	20
23	-21	162	239	12.3	16.1	9.11	11.5	770	104	0.75	25
28	0	289	412	18.6	23.2	11.8	17.1	640	181	1.25	30
37.4	0	637	882	30.8	37.5	23.0	32.3	510	358	2.30	40
47	-25	1,390	3,180	46.1	74.2	27.2	42.1	450	696	3.10	50
56.5	0/-30	2,100	4,800	58.0	127	26.5	42.6	400	1,300	4.70	60

※Maximum revolutions with grease lubrication.

Contact NB for further information in case oil lubrication is required.

1kN≒102kgf 1N · m≒0.102kgf · m