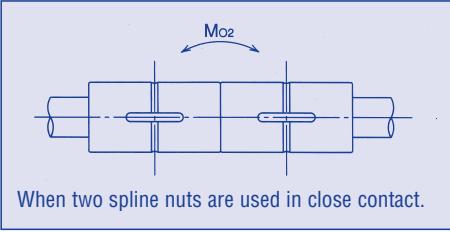
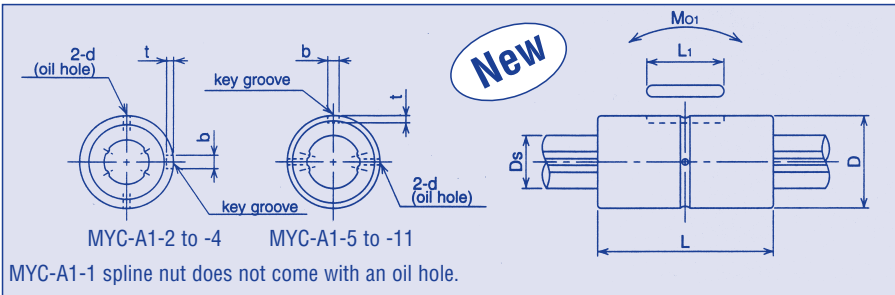


# BALL SPLINE

## CYLINDRICAL SPLINE NUT



Part Number	MAJOR DIMENSIONS											
	D		L		B	b		t	L1	d	Ds	
	mm	tolerance μm	mm	tolerance mm		mm	tolerance μm				mm	mm
MYC-A1-1	10	0/-9	16	0 -0.2	--	2	+14 0	1.2	6	--	4	0
MYC-A1-2	14	0	25			2.5		1.2	10.5	1	6	-12
MYC-A1-3	16	-11	25			2.5		1.2	10.5	1.5	8	0
MYC-A1-4	21	0	33			3		1.5	13	1.5	10	-15
MYC-A1-5	24	-13	36	0 -0.3	--	3	1.5	15	1.5	13	0	
MYC-A1-6	31	0	50			3.5	2	17.5	2	16	-18	
MYC-A1-7	32	0	60			4	2.5	26	2	18.2	0	
MYC-A1-8	37	-16	70			5	3	33	3	23	-21	
MYC-A1-9	45	0	80	0 -0.3	--	7	+22	4	41	3	28	0
MYC-A1-10	60	0	100			10	4.5	55	4	37.4	0	
MYC-A1-11	75	-19	112			15	+27/0	5	60	4	47	-25



\* Must specify length of spline shaft

basic torque rating		basic load rating		allowable static moment		second cross-sectional moment of inertia	cross-sectional coefficient	mass		part number
dynamic C <sub>r</sub>	static C <sub>0r</sub>	dynamic C	static C <sub>0</sub>	M <sub>r1</sub>	M <sub>r2</sub>			nut	shaft	
N • M	N • M	kN	kN	N • M	N • M	mm <sup>4</sup>	mm <sup>3</sup>	kg	kg/m	
0.74	1.05	0.86	1.22	1.97	10.3	1.18 X 10 <sup>3</sup>	5.90	0.0065	0.10	MYC-A1-1
1.5	2.4	1.22	2.28	5.1	40	5.9 X 10 <sup>3</sup>	1.97 X 10 <sup>3</sup>	0.019	0.21	MYC-A1-2
2.1	3.7	1.45	2.87	7.4	50	1.9 X 10 <sup>3</sup>	4.76 X 10 <sup>3</sup>	0.023	0.38	MYC-A1-3
4.4	8.2	2.73	5.07	18.0	116	4.61 X 10 <sup>3</sup>	9.22 X 10 <sup>3</sup>	0.054	0.60	MYC-A1-4
21	39.2	2.67	4.89	13.7	109	1.38 X 10 <sup>4</sup>	2.13 X 10 <sup>3</sup>	0.07	1.0	MYC-A1-5
60	110	6.12	11.2	46	299	2.98 X 10 <sup>4</sup>	3.73 X 10 <sup>3</sup>	0.15	1.5	MYC-A1-6
83	133	7.84	11.3	63	500	5.05 X 10 <sup>4</sup>	5.54 X 10 <sup>3</sup>	0.20	2.0	MYC-A1-7
162	239	12.3	16.1	104	830	1.27 X 10 <sup>5</sup>	1.11 X 10 <sup>3</sup>	0.22	3.1	MYC-A1-8
289	412	18.6	23.2	181	1470	2.75 X 10 <sup>5</sup>	1.96 X 10 <sup>3</sup>	0.35	4.8	MYC-A1-9
637	882	30.8	37.5	358	2940	8.73 X 10 <sup>5</sup>	4.67 X 10 <sup>3</sup>	0.81	8.6	MYC-A1-10
1390	3180	46.1	74.2	696	4400	2.16 X 10 <sup>6</sup>	9.21 X 10 <sup>3</sup>	1.5	13.1	MYC-A1-11