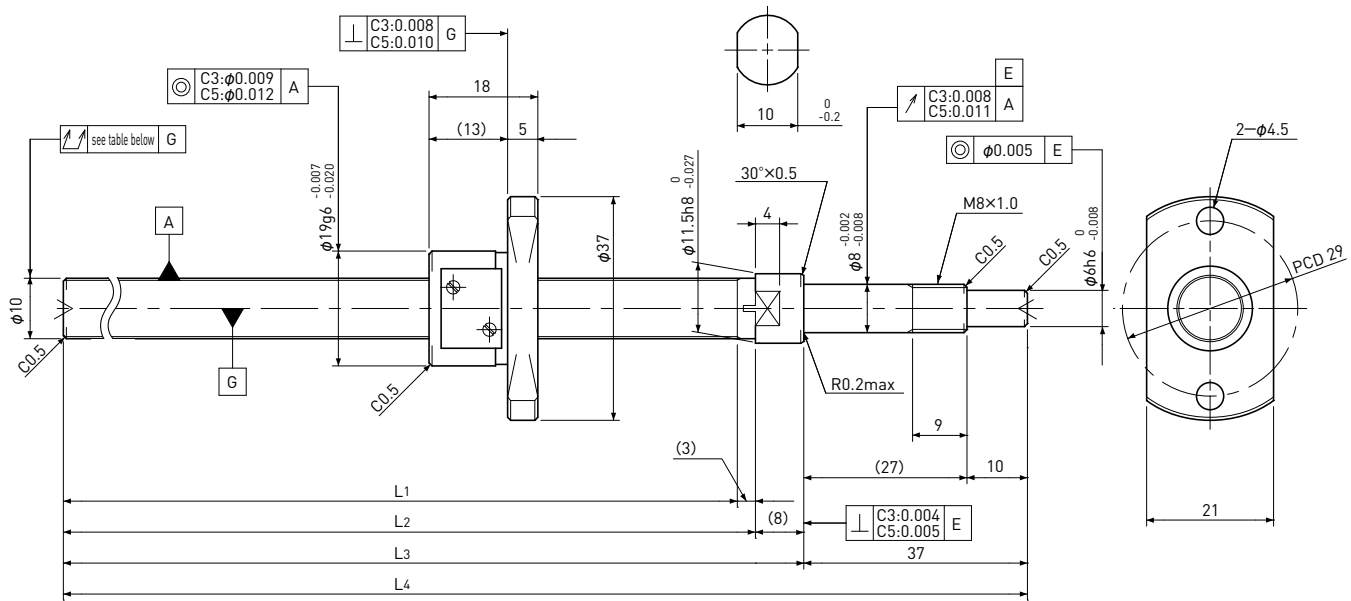


# SG1001

Shaft dia.  $\phi 10$  Lead 1mm

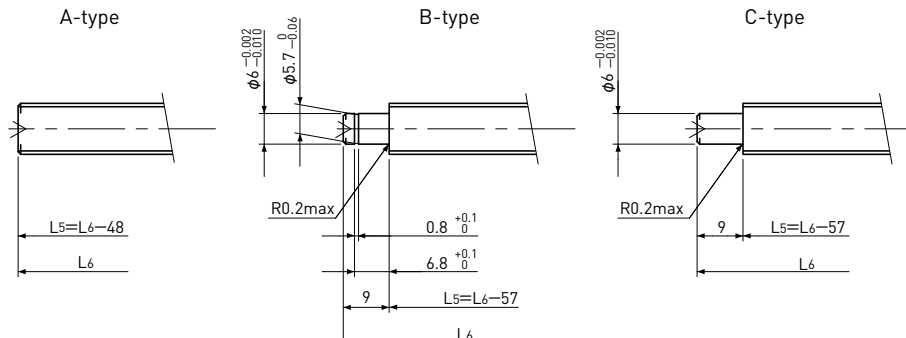
C3&C5



Unit: mm

Ball Screw Specifications	
Ball size	$\phi 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\phi 9.3$
Number of circuit	$3.7 \times 1$
Shaft, Nut material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

### Supported-side end-journal profile



L5: Thread length after end-journal machining.  
L6: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	Fixed-side
	MSU-8CS/8GS, EF8	MSU-8C/8G, EK8

D-type : Other than the above.

Unit: mm

Ball Screw Model	Travel	Grade	Shaft length				Lead accuracy		Total Run-out	Axial play	Preload Torque Nm	Basic Load Rating N	
			L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	Travel deviation e <sub>p</sub>	Variation V <sub>u</sub>				Dynamic Ca	Static Coa
SG1001-112R160C3	90	C3	112	115	123	160	$\pm 0.010$	0.008	0.035	0 Spacer Ball (1:1)	~0.020	530	1000
SG1001-162R210C3	140	C3	162	165	173	210	$\pm 0.010$	0.008	0.040				
SG1001-212R260C3	190	C3	212	215	223	260	$\pm 0.012$	0.008	0.040				
SG1001-262R310C3	240	C3	262	265	273	310	$\pm 0.012$	0.008	0.040				
SG1001-112R160C5	90	C5	112	115	123	160	$\pm 0.020$	0.018	0.040	~0.005	-	840	2000
SG1001-162R210C5	140	C5	162	165	173	210	$\pm 0.020$	0.018	0.055				
SG1001-212R260C5	190	C5	212	215	223	260	$\pm 0.023$	0.018	0.055				
SG1001-262R310C5	240	C5	262	265	273	310	$\pm 0.023$	0.018	0.055				

Note) Please refer to p-A206 for order code of end-journal machining.