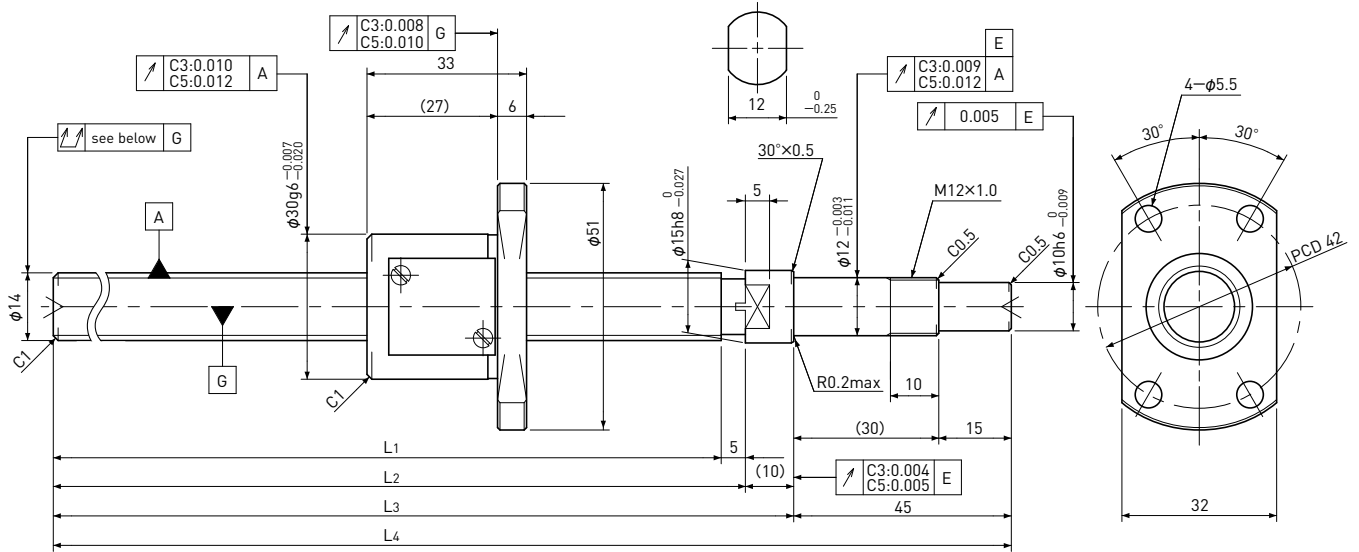


# SG1404

Shaft dia.  $\phi 14$  Lead 4mm

# C3&C5



Unit: mm

Ball Screw Specifications	
Ball size	$\phi 2.381$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\phi 11.8$
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		
A-type	B-type	C-type
<p>L5: Thread length after end-journal machining. L6: Total length after end-journal machining.</p>		
Support-unit Recommendation		Supported-side : — Fixed-side : —

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 $e_p$	Variation $V_u$				Dynamic $C_a$	Static $C_oa$
SG1404-190R250C3	155	C3	190	195	205	250	$\pm 0.010$	0.008	0 Spacer Ball (1:1)	0.020~ 0.070	3600	5800	
SG1404-240R300C3	205	C3	240	245	255	300	$\pm 0.012$	0.008					
SG1404-290R350C3	255	C3	290	295	305	350	$\pm 0.012$	0.008					
SG1404-390R450C3	355	C3	390	395	405	450	$\pm 0.013$	0.010					
SG1404-490R550C3	455	C3	490	495	505	550	$\pm 0.015$	0.010	~0.005	—	5700	11600	
SG1404-190R250C5	155	C5	190	195	205	250	$\pm 0.020$	0.018					
SG1404-240R300C5	205	C5	240	245	255	300	$\pm 0.023$	0.018					
SG1404-290R350C5	255	C5	290	295	305	350	$\pm 0.023$	0.018					
SG1404-390R450C5	355	C5	390	395	405	450	$\pm 0.025$	0.020					
SG1404-490R550C5	455	C5	490	495	505	550	$\pm 0.027$	0.020					

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