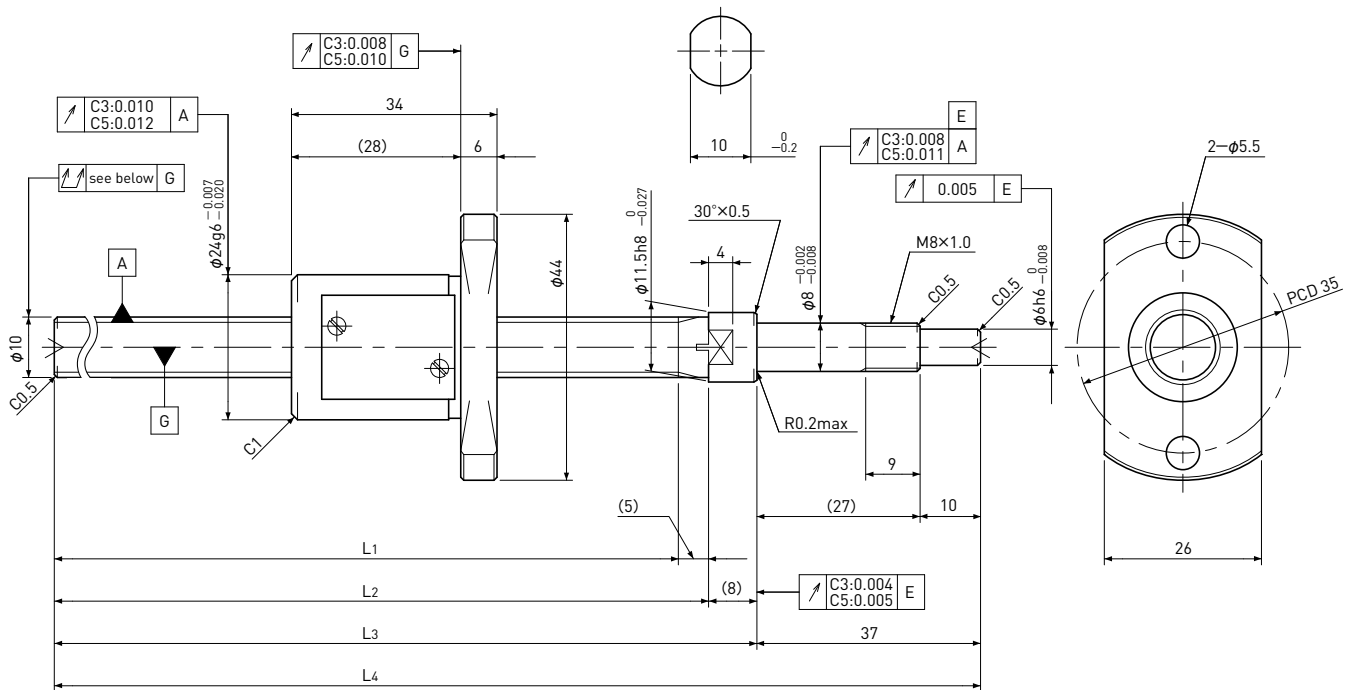


Standard products in stock SG series

SG1005Shaft dia. $\phi 10$ Lead 5mm**C3&C5**

Unit: mm

Ball Screw Specifications	
Ball size	$\phi 2.0$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\phi 8.2$
Number of circuit	2.7×1
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
L5: Thread length after end-journal machining. L6: Total length after end-journal machining.		
Support-unit Recommendation	Supported-side : MSU-8CS/8GS	Fixed-side : MSU-8C/8G
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 ₁	L ₂	L ₃	L ₄	Travel deviation e_p	Variation V_u				Dynamic C_a	Static C_{oa}
SG1005-110R160C3	75	C3	110	115	123	160	± 0.010	0.008	0.035	0 Spacer Ball (1:1)	0.005~ 0.040	1800	2600
SG1005-260R310C3	225	C3	260	265	273	310	± 0.012	0.008	0.040				
SG1005-110R160C5	75	C5	110	115	123	160	± 0.020	0.018	0.040	~0.005	—	3000	5200
SG1005-260R310C5	225	C5	260	265	273	310	± 0.023	0.018	0.055				

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