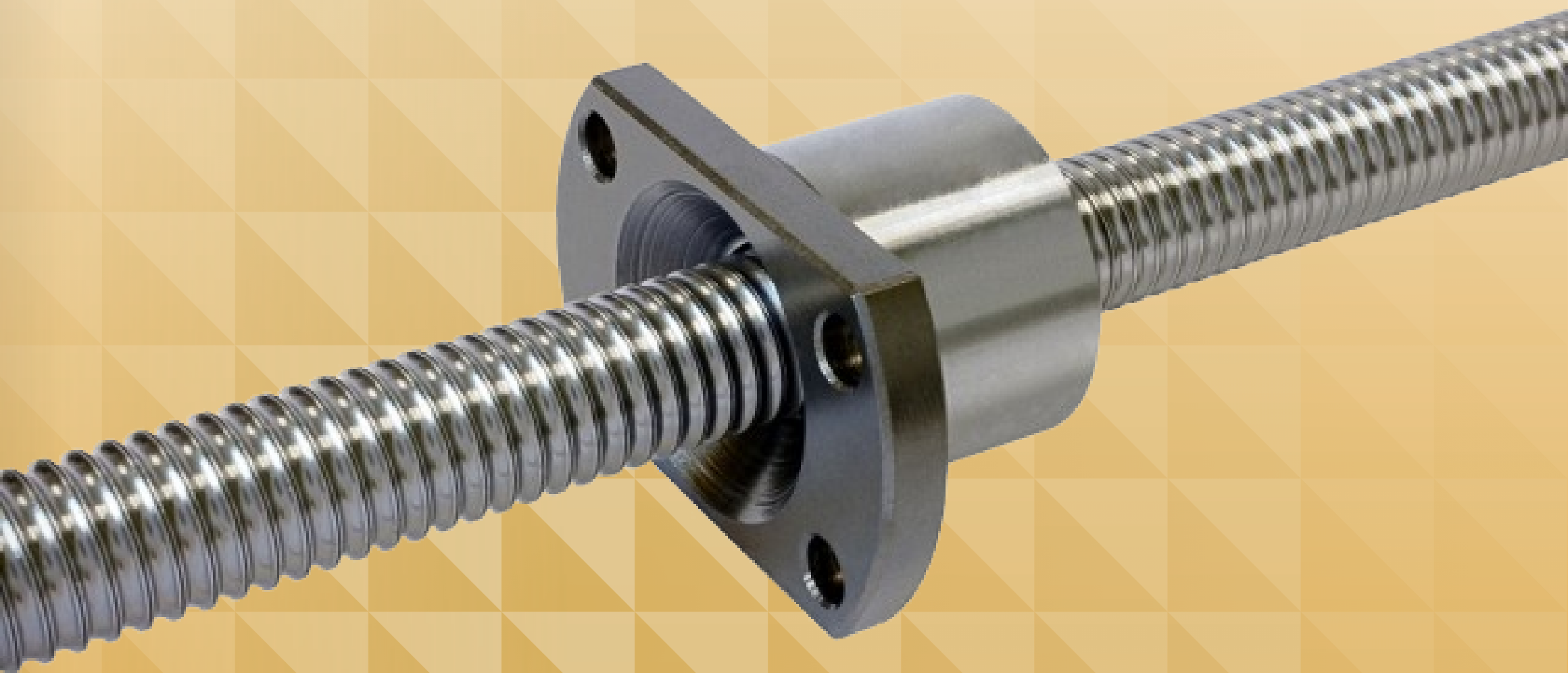


SR/SSR Flange Nut Non-Machined Ball Screw



→ SR/SSR Flange Nut Non-Machined

Call: 01386 421 005

Email: sales@abssac.co.uk

Web: www.abssac.co.uk

ABSSAC
PRECISION MOTION SINCE 1982



SR/SSR series Standardized Rolled Ball Screws

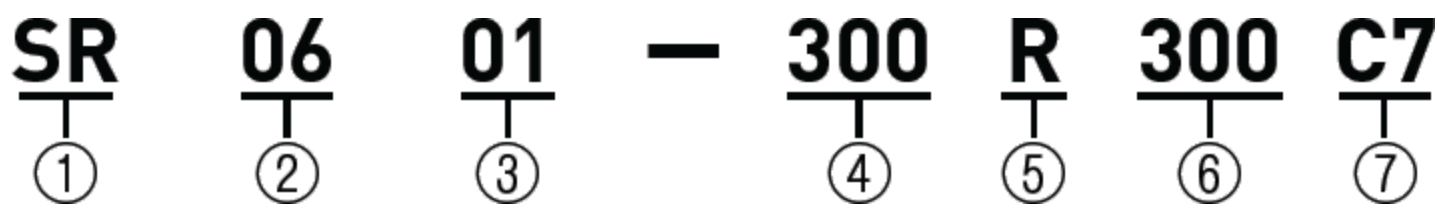
Rolled Ball Screws with accuracy Ct7 and Ct10 are available in stock. It is suitable for low cost design.
Rolled Ball Screws with end-journal machining are available for short delivery.
Stainless Rolled Ball Screws are also available.

Combination of Shaft nominal dia. & Lead

Unit : mm

	Lead										
Shaft dia.	1	2	2.5	4	5	6	8	10	12	15	20
4	•	•									
5				•							
6	•	•				•		•			
8	•	•	•		•		•	•	•		
10		•		•	•			•		•	•
12		•						•			
14		•		•							
15					•			•			•

Model number notation



- ① Rolled Ball Screws Series No.
SR : Rolled Ball Screws
SSR : Stainless Rolled Ball Screws
- ② Screw Shaft nominal diameter(mm)
- ③ Lead(mm)
- ④ Screw thread length(mm)
- ⑤ Thread direction (R=Right-hand)
- ⑥ Screw Shaft total length(mm)
- ⑦ Accuracy grade (C7 or C10)

Accuracy Grade & Axial play

Accuracy grade of SR series (Standardized Rolled Ball Screws) and SSR series (Standardized Stainless Rolled Ball Screws) are based on JIS Ct7 and JIS Ct10. According to accuracy grade, Axial play 0.020mm or less (Ct7) and 0.050mm or less (Ct10) are in stock.



Material & Surface hardness

Materials and Surface hardness of SR series (Standardized Rolled Ball Screws) and SSR series (Standardized Stainless Rolled Ball Screws) are as follows.

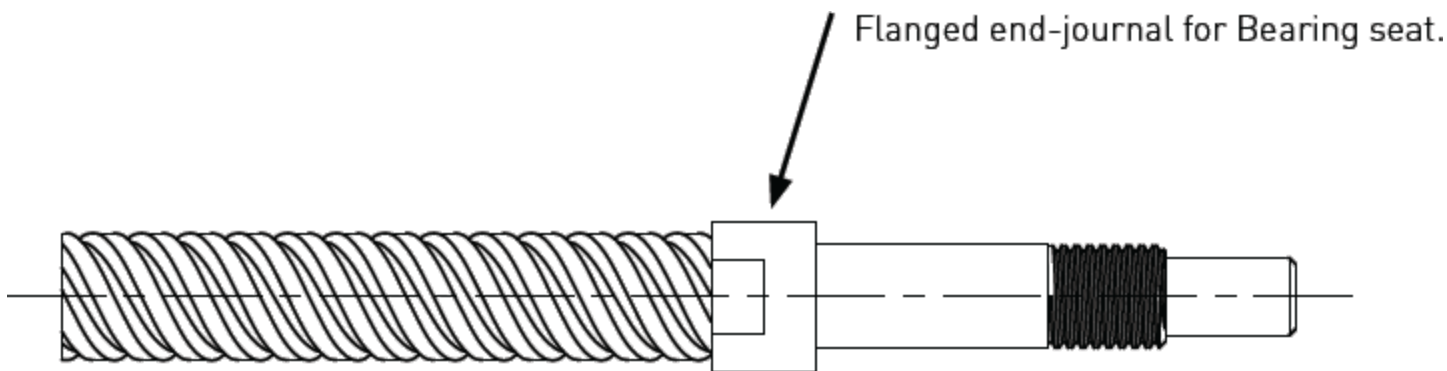
Products	Material	Heat treatment	Surface hardness
Rolled Ball Screws (SR series)	Shaft : SCM415 or SUJ2	Carburizing and Quenching or Quenching & Tempering	HRC58 or more
	Nut : SCM415	Carburizing and Quenching	
Stainless Rolled Ball Screws (SSR series)	Shaft : SUS440C	Induction hardening	HRC55 or more
	Nut : SUS440C	Vacuum hardening	

Lubrication

SR series (Standardized Rolled Ball Screws) and SSR series (Standardized Stainless Rolled Ball Screws) without end-journal machining are applied with anti-rust oil for rust prevention. Anti-rust oil does not have lubricating function so that please apply the Grease or lubrication oil when using the Ball Screws. If there is no specific instruction, ABSSAC would recommend our original Grease (MSG No.2) as standard lubricant. Please feel free to contact us.

Others

End-journal configuration of SR series (Standardized Rolled Ball Screws) and SSR series (Standardized stainless Rolled Ball Screws) are not standardized. When you request additional machining, please send us a drawing with end-journal profile. Rolled Ball Screws with Integrated end-journal, which is bigger Bearing face than supported seat, are available (SRT/SSRT series) as shown below.





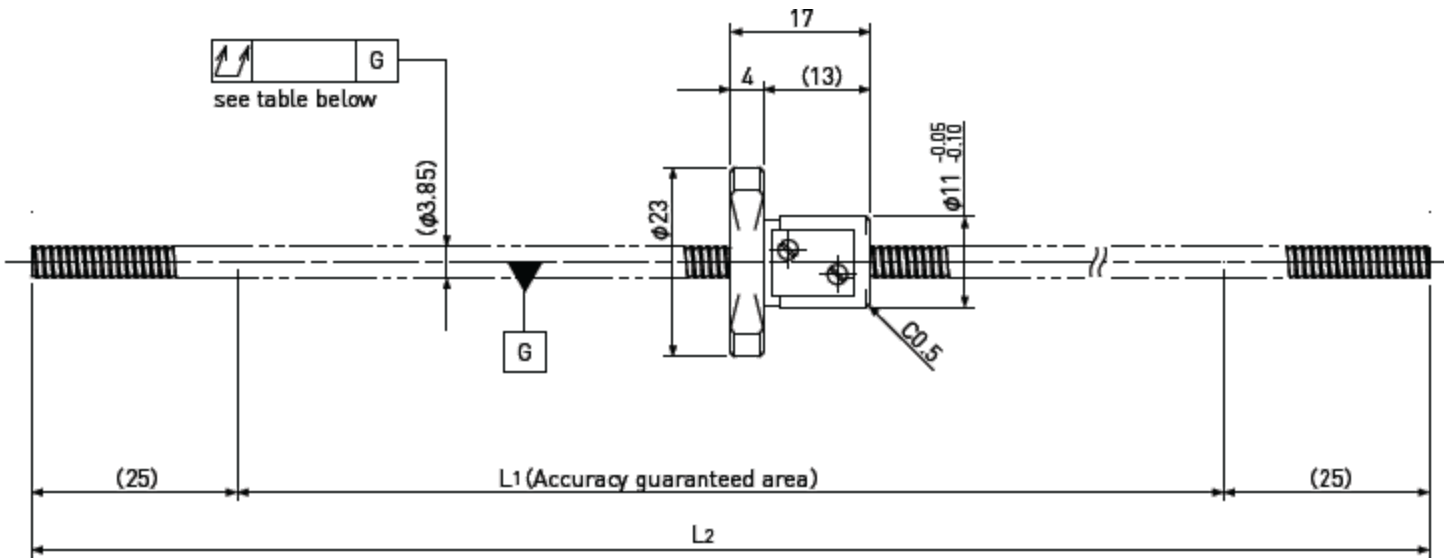
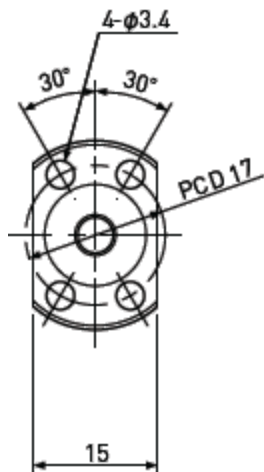
Standard products in stock SR series

SR0401

Shaft dia. $\varnothing 4$

Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 3.3$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0401-250R250C7	180	Ct7	200	250	± 0.06	0.05	0.200	~ 0.020	-	560	790
SR0401-250R250C10	180	Ct10	200	250	± 0.28	0.21	0.400	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



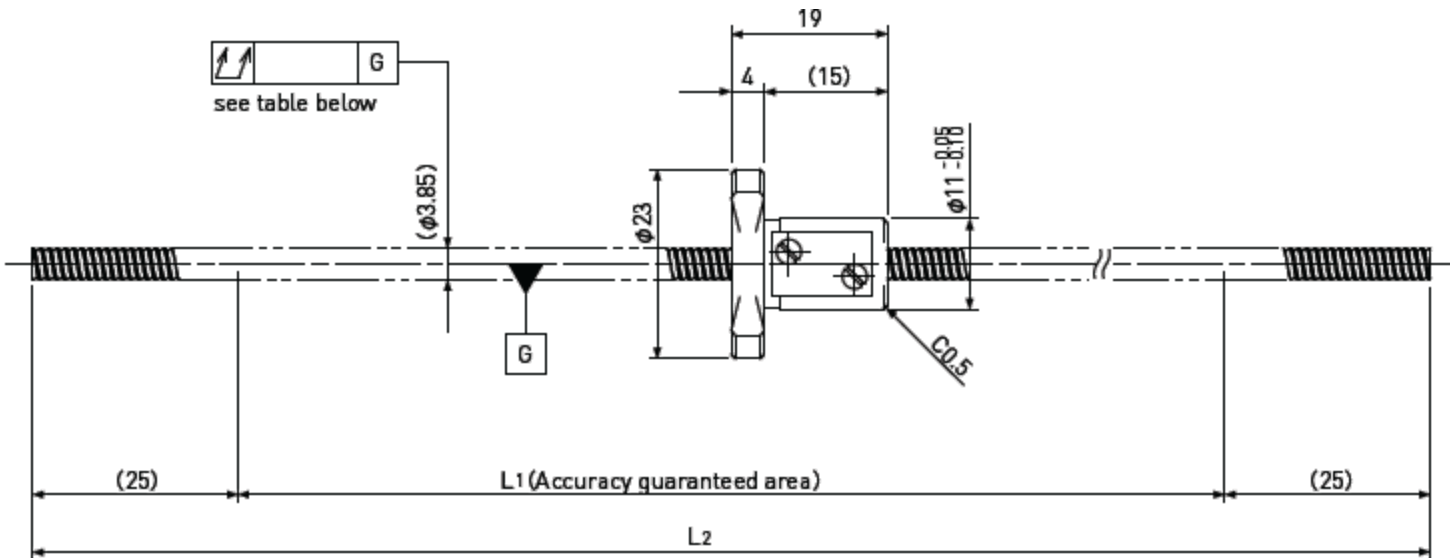
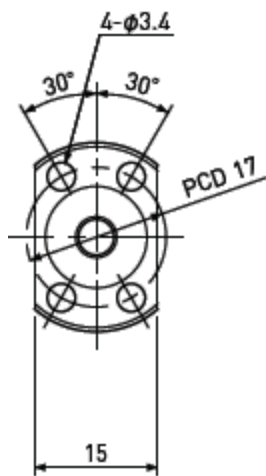
Standard products in stock SR series

SR0402

Shaft dia. $\varnothing 4$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 3.3$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0402-250R250C7	180	Ct7	200	250	±0.06	0.05	0.200	~0.020	-	420	570
SR0402-250R250C10	180	Ct10	200	250	±0.28	0.21	0.400	~0.050	-		

Note) Please designate end-journal profile with your sketch.



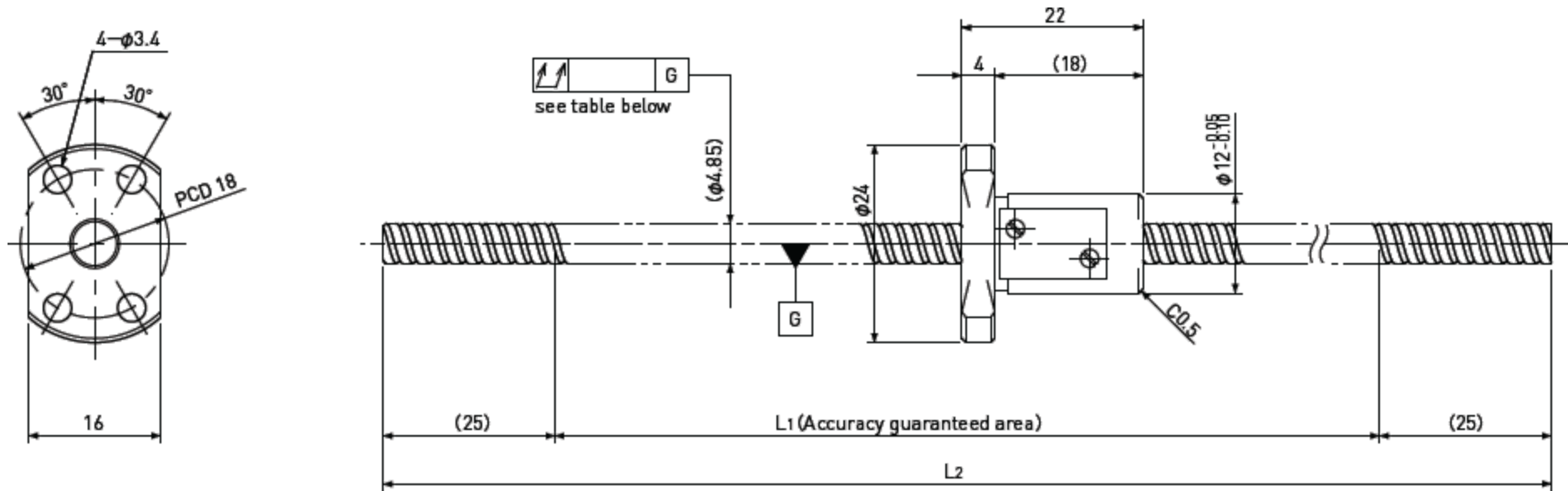
Standard products in stock SR series

SR0504

Shaft dia. $\varnothing 5$

Lead 4mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 4.3$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0504-250R250C7	175	Ct7	200	250	±0.06	0.05	0.120	~0.020	-	470	720
SR0504-250R250C10	175	Ct10	200	250	±0.28	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



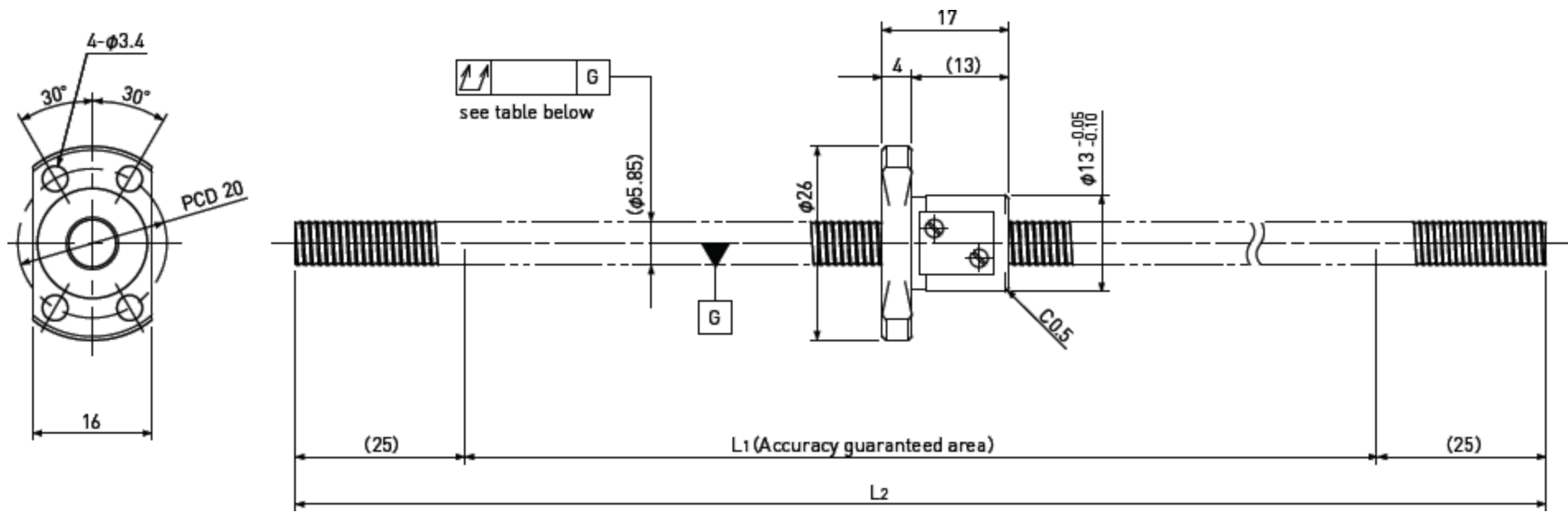
Standard products in stock SR series

SR0601

Shaft dia. $\varnothing 6$

Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 5.3$
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0601-300R300C7	230	Ct7	250	300	±0.08	0.05	0.120	~0.020	-	680	1200
SR0601-300R300C10	230	Ct10	250	300	±0.35	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.

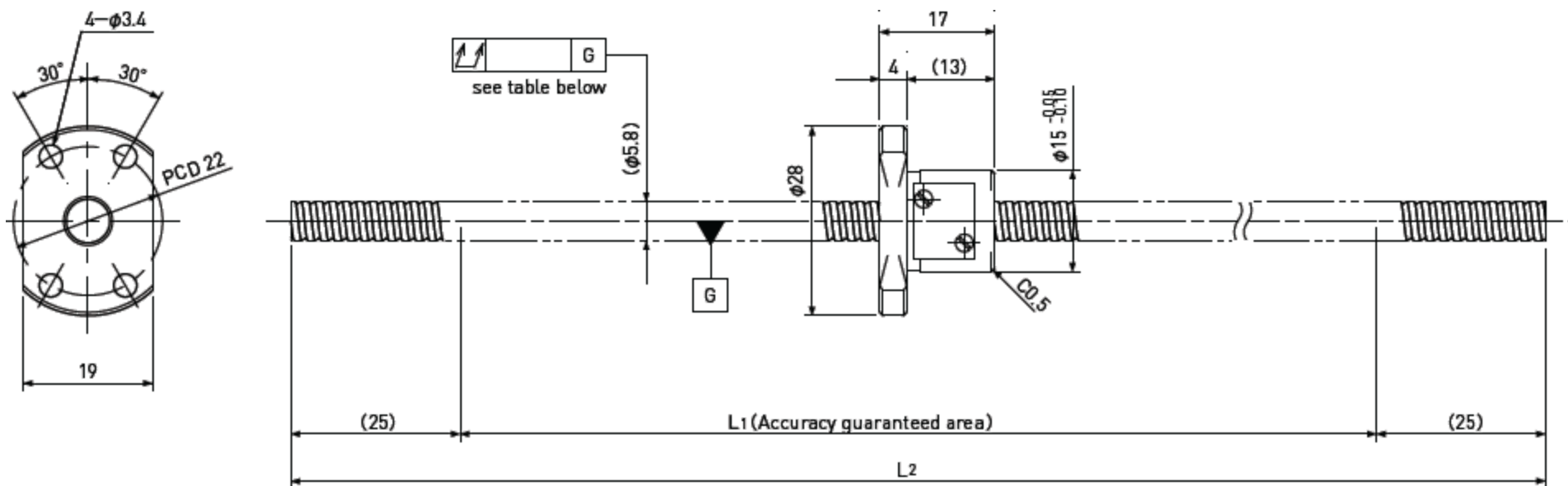
Standard products in stock SR series

SR0602

Shaft dia. $\varnothing 6$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.0$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 5.1$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0602-300R300C7	230	Ct7	250	300	±0.08	0.05	0.120	~0.020	-	750	1200
SR0602-300R300C10	230	Ct10	250	300	±0.35	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



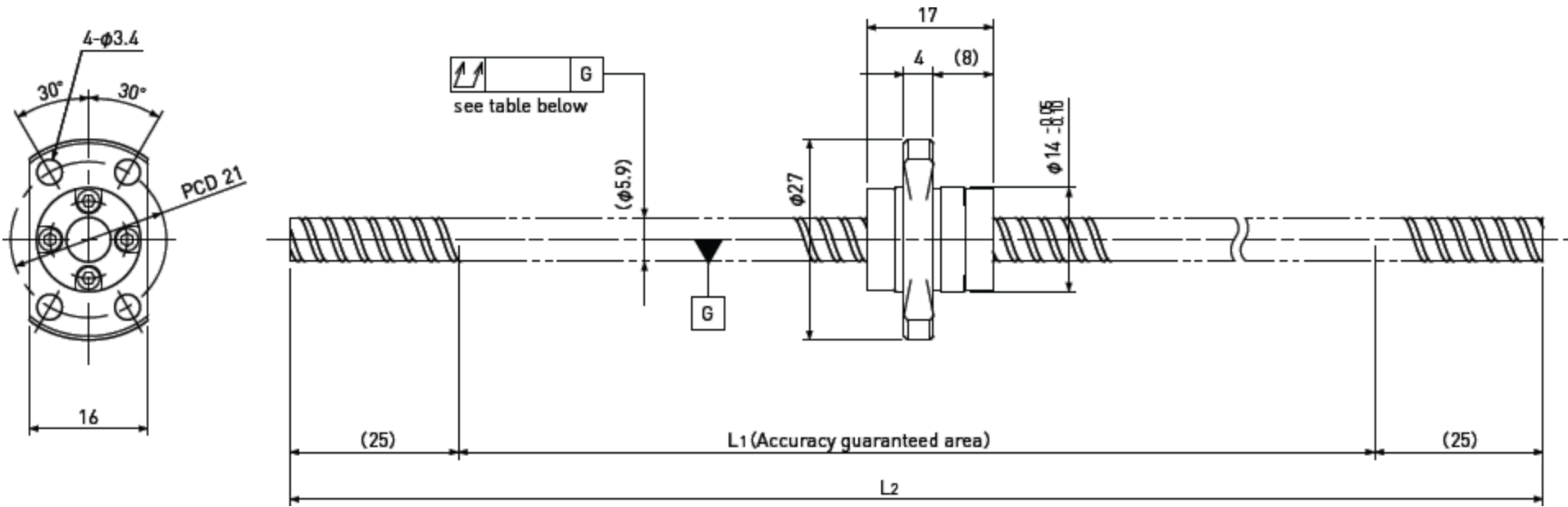
Standard products in stock SR series

SR0606

Shaft dia. $\varnothing 6$

Lead 6mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.0$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 5.2$
Number of circuit	1.6×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0606-300R300C7	230	Ct7	250	300	±0.08	0.05	0.120	~0.020	-	870	1450
SR0606-300R300C10	230	Ct10	250	300	±0.35	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



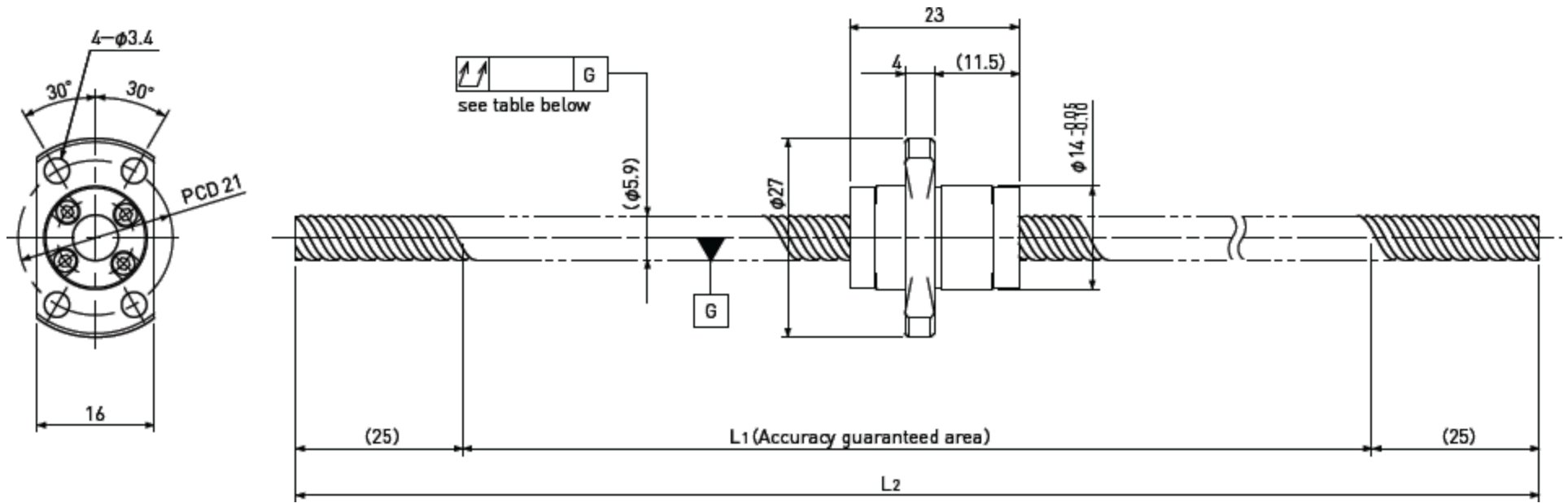
Standard products in stock SR series

SR0610

Shaft dia. $\varnothing 6$

Lead 10mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.2$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 5.0$
Number of circuit	1.2×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0610-300R300C7	225	Ct7	250	300	±0.08	0.05	0.120	~0.020	-	950	1600
SR0610-300R300C10	225	Ct10	250	300	±0.35	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



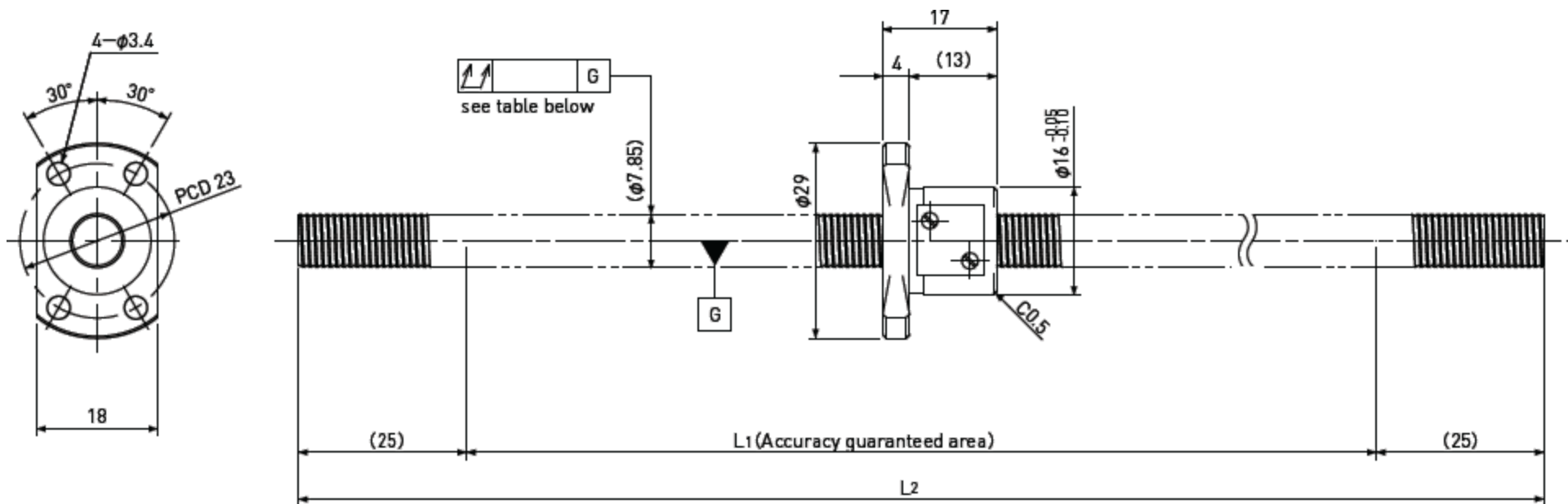
Standard products in stock SR series

SR0801

Shaft dia. $\varnothing 8$

Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 7.3$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0801-400R400C7	330	Ct7	350	400	± 0.12	0.05	0.120	~ 0.020	-	780	1650
SR0801-400R400C10	330	Ct10	350	400	± 0.49	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

Ct7&Ct10



Ball Screw Specifications	
Ball size	ø1.5875
Number of thread	1
Thread direction	Right
Shaft root dia.	ø6.6
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0802-400R400C7	325	Ct7	350	400	±0.12	0.05	0.120	~0.020	-	2400	4100
SR0802-400R400C10	325	Ct10	350	400	±0.49	0.21	0.240	~0.050			



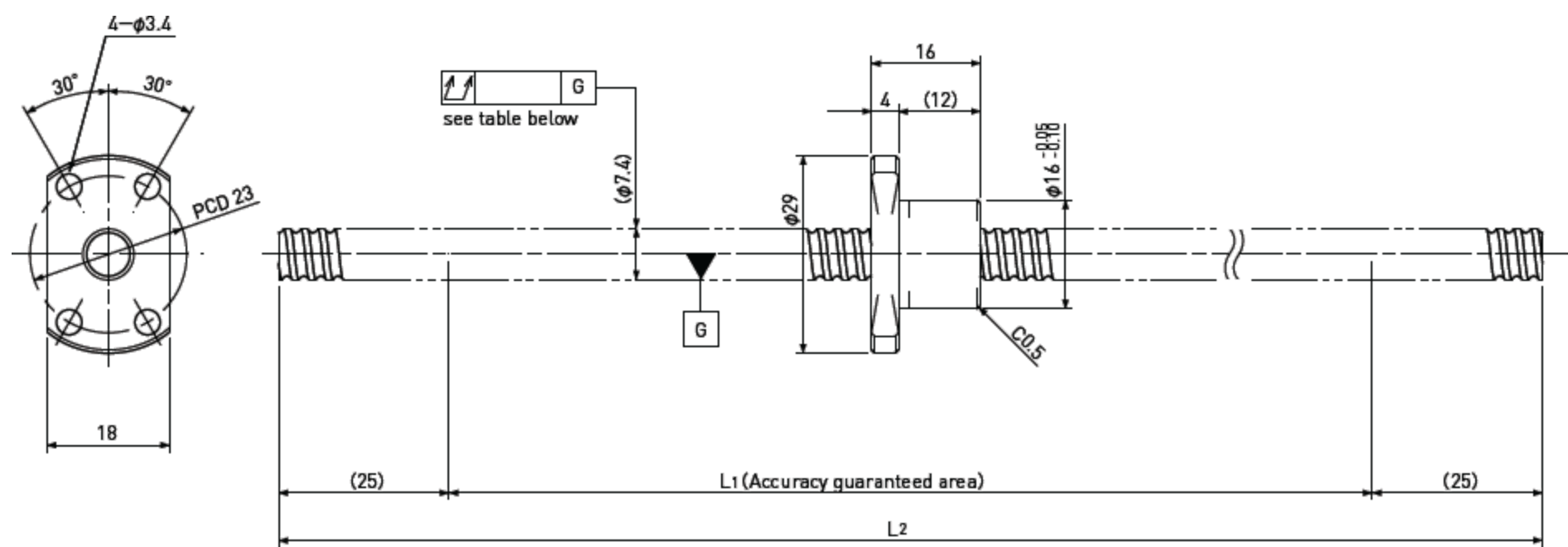
Standard products in stock SR series

SR0802.5

Shaft dia. $\varnothing 8$

Lead 2.5mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 6.3$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0802.5-400R400C7	330	Ct7	350	400	± 0.12	0.05	0.120	~ 0.020	-	1850	3000
SR0802.5-400R400C10	330	Ct10	350	400	± 0.49	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



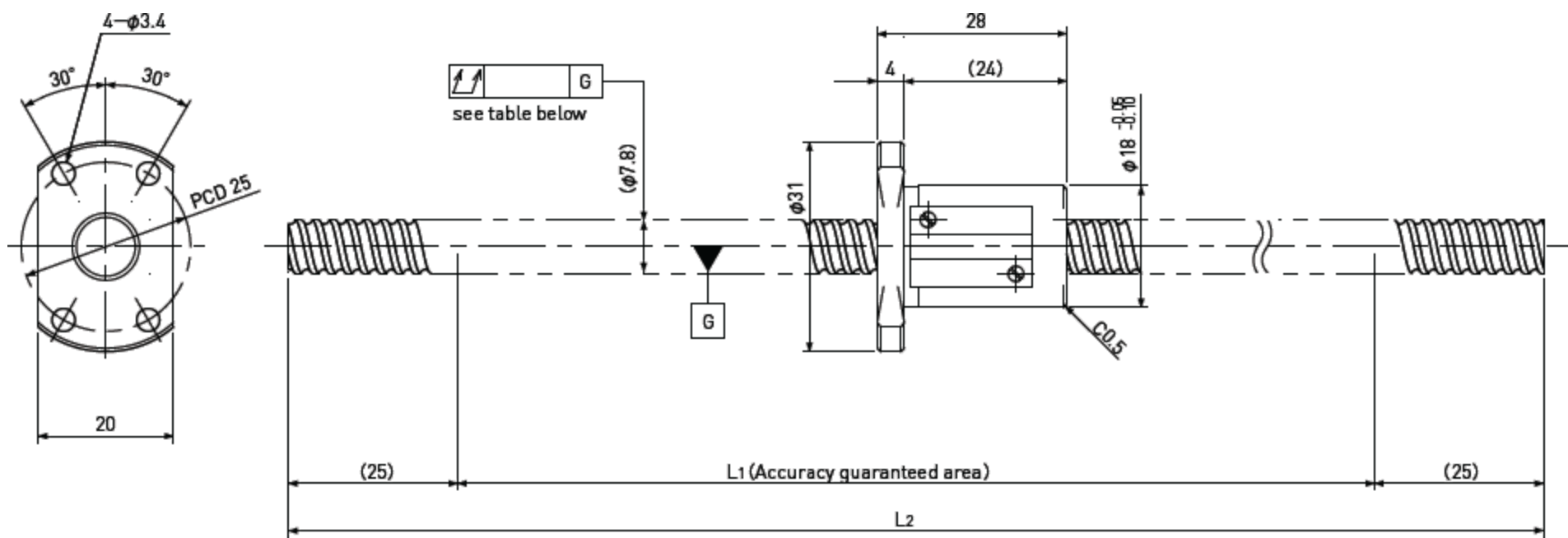
Standard products in stock SR series

SR0805

Shaft dia. $\varnothing 8$

Lead 5mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 6.6$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0805-400R400C7	320	Ct7	350	400	± 0.12	0.05	0.120	~ 0.020	-	1850	3000
SR0805-400R400C10	320	Ct10	350	400	± 0.49	0.21	0.240	~ 0.050			

Note) Please designate end-journal profile with your sketch.



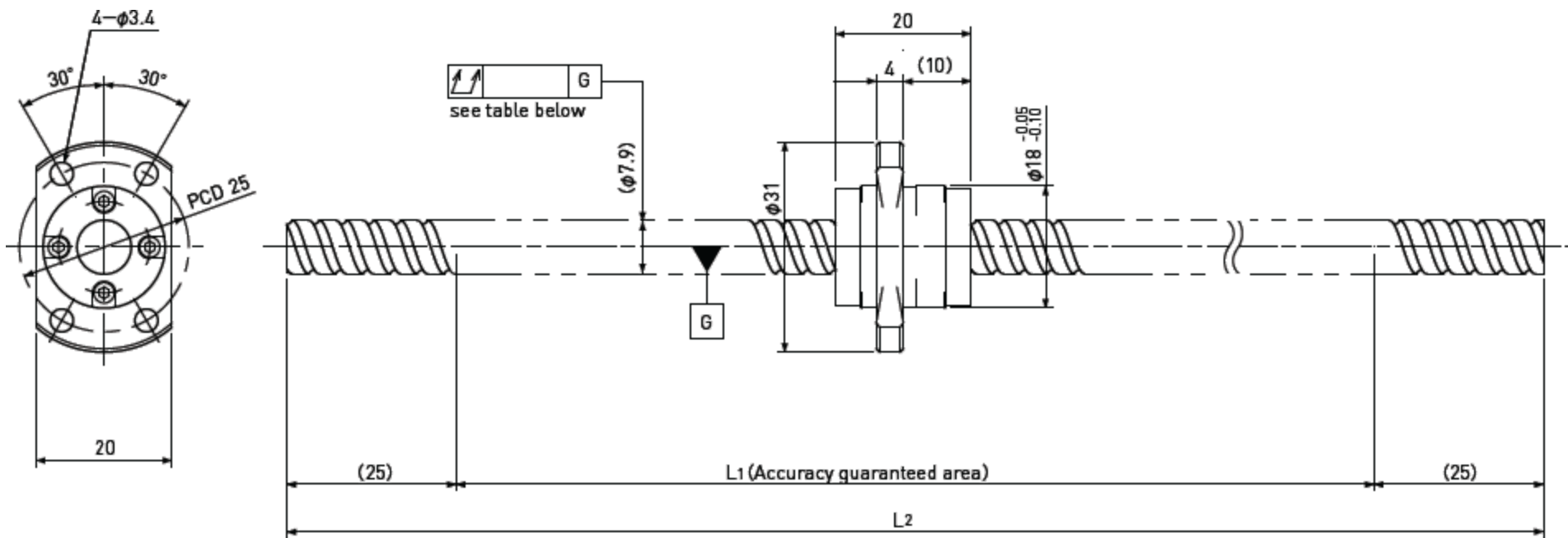
Standard products in stock SR series

SR0808

Shaft dia. $\varnothing 8$

Lead 8mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 6.7$
Number of circuit	1.6×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation ep	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR0808-400R400C7	330	Ct7	350	400	±0.12	0.05	0.120	~0.020	-	2200	3800
SR0808-400R400C10	330	Ct10	350	400	±0.49	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



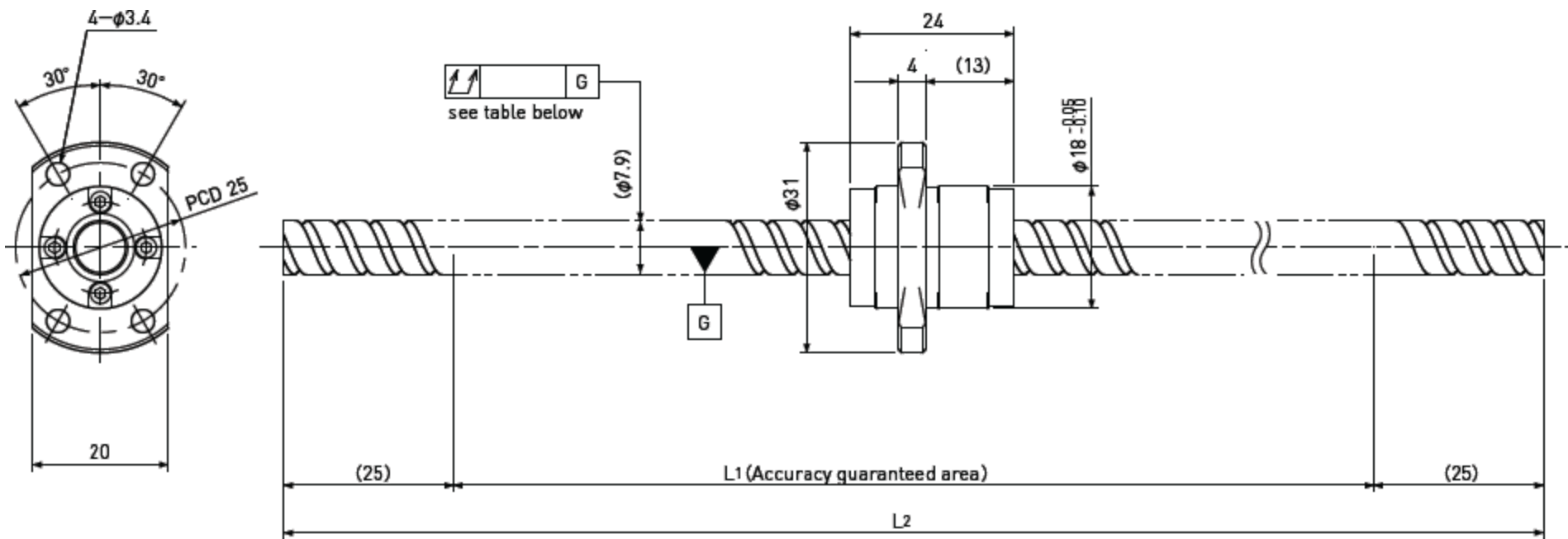
Standard products in stock SR series

SR0810

Shaft dia. $\varnothing 8$

Lead 10mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 6.7$
Number of circuit	1.6×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0810-400R400C7	325	Ct7	350	400	±0.12	0.05	0.120	~0.020	-	2200	3800
SR0810-400R400C10	325	Ct10	350	400	±0.49	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



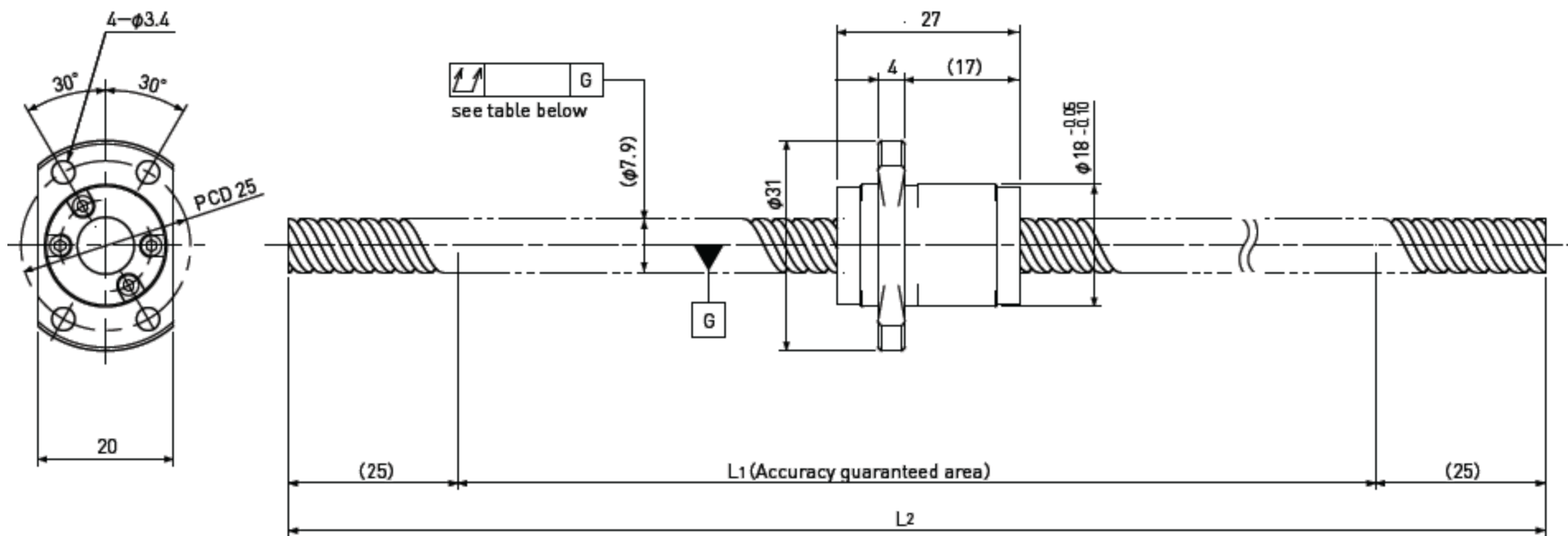
Standard products in stock SR series

SR0812

Shaft dia. $\varnothing 8$

Lead 12mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 6.7$
Number of circuit	1.6×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR0812-400R400C7	320	Ct7	350	400	±0.12	0.05	0.120	~0.020	-	2200	4000
SR0812-400R400C10	320	Ct10	350	400	±0.49	0.21	0.240	~0.050	-		

Note) Please designate end-journal profile with your sketch.



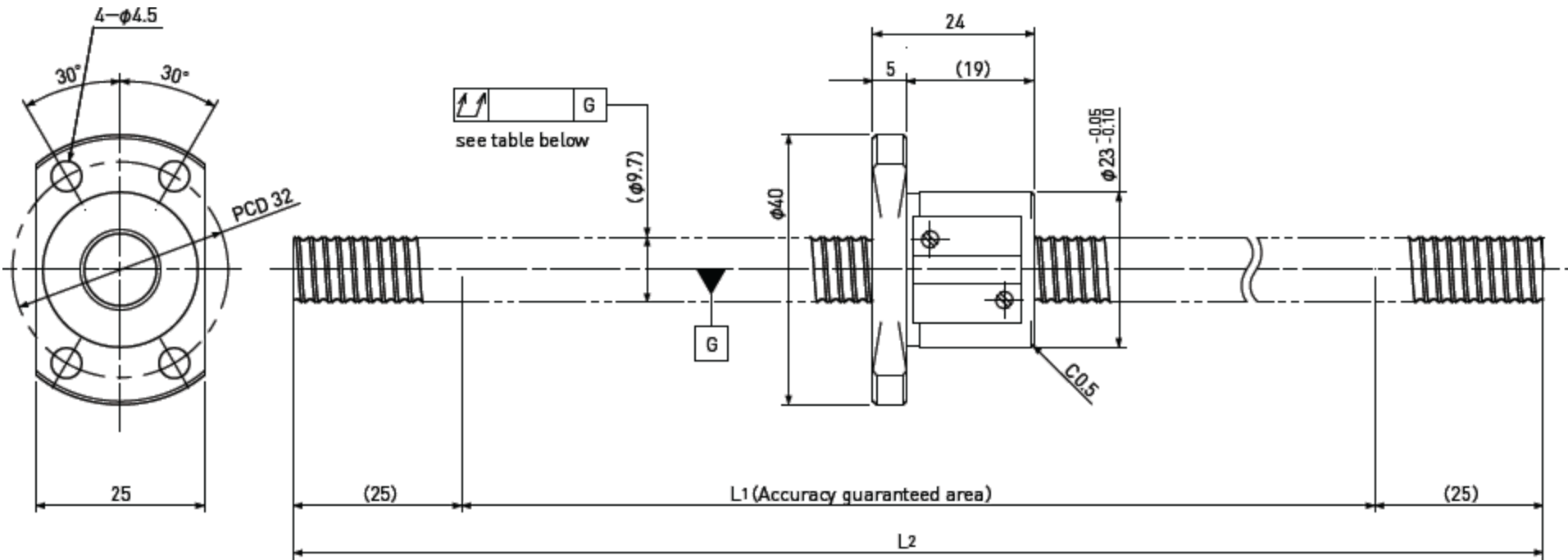
Standard products in stock SR series

SR1002

Shaft dia. $\varnothing 10$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	φ1.5875
Number of thread	1
Thread direction	Right
Shaft root dia.	φ8.6
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out <i>U</i>	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation <i>e_p</i>	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR1002-400R400C7	325	Ct7	350	400	±0.12	0.05	0.120	~0.020	-	2700	5300
SR1002-400R400C10	325	Ct10	350	400	±0.49	0.21	0.240	~0.050			

Note) Please designate end-journal profile with your sketch.



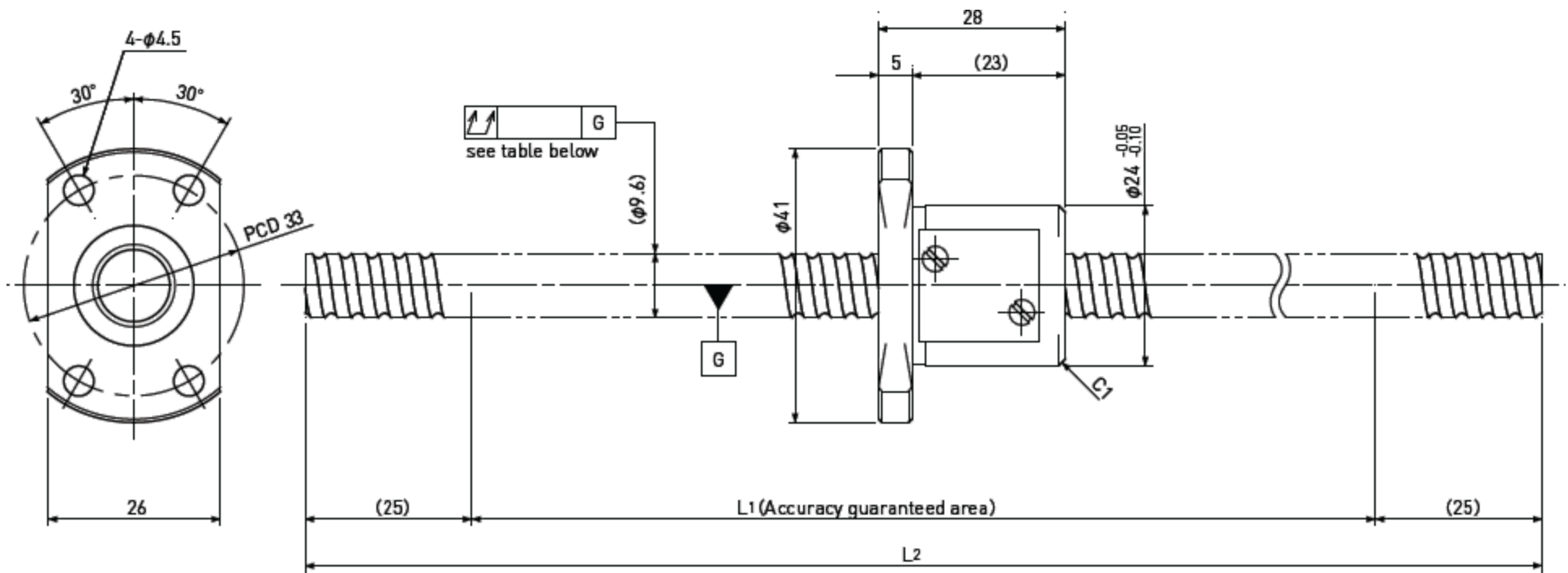
Standard products in stock SR series

SR1004

Shaft dia. $\varnothing 10$

Lead 4mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 2.0$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 8.2$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1004-450R450C7	370	Ct7	400	450	± 0.13	0.05	0.120	~ 0.020	-	3000	5200
SR1004-450R450C10	370	Ct10	400	450	± 0.56	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



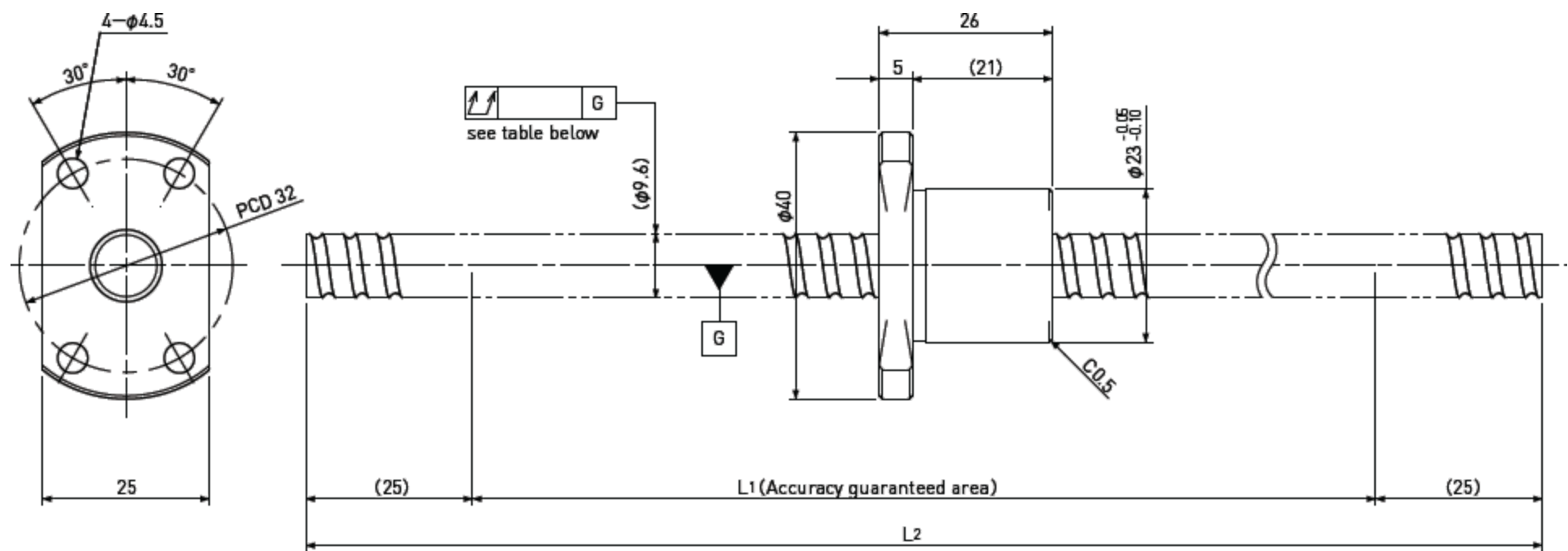
Standard products in stock SR series

SR1005

Shaft dia. $\varnothing 10$

Lead 5mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 2.0$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 8.2$
Number of circuit	2.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR1005-450R450C7	370	Ct7	400	450	± 0.13	0.05	0.120	~ 0.020	-	3000	5200
SR1005-450R450C10	370	Ct10	400	450	± 0.56	0.21	0.240	~ 0.050			

Note) Please designate end-journal profile with your sketch.



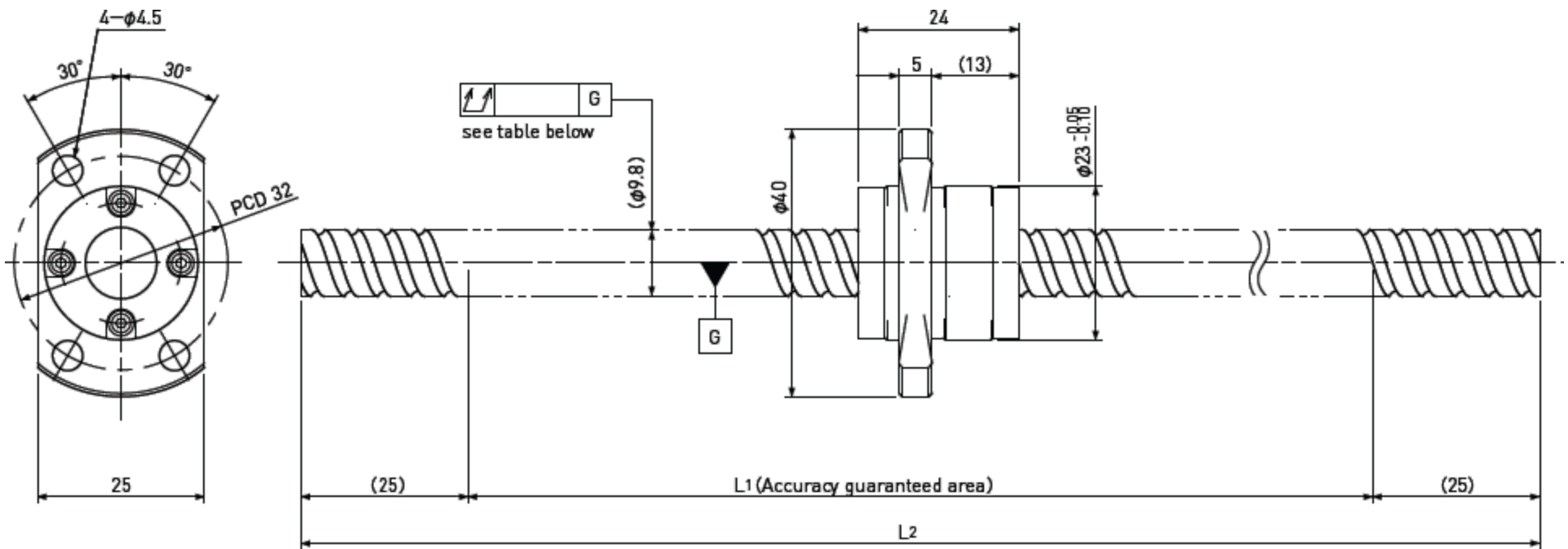
Standard products in stock SR series

SR1010

Shaft dia. $\varnothing 10$

Lead 10mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 2.0$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 8.4$
Number of circuit	1.6 $\times$ 2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation ep	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1010-450R450C7	375	Ct7	400	450	±0.13	0.05	0.120	~0.020	-	3300	5900
SR1010-450R450C10	375	Ct10	400	450	±0.56	0.21	0.240	~0.050			

Note) Please designate end-journal profile with your sketch.



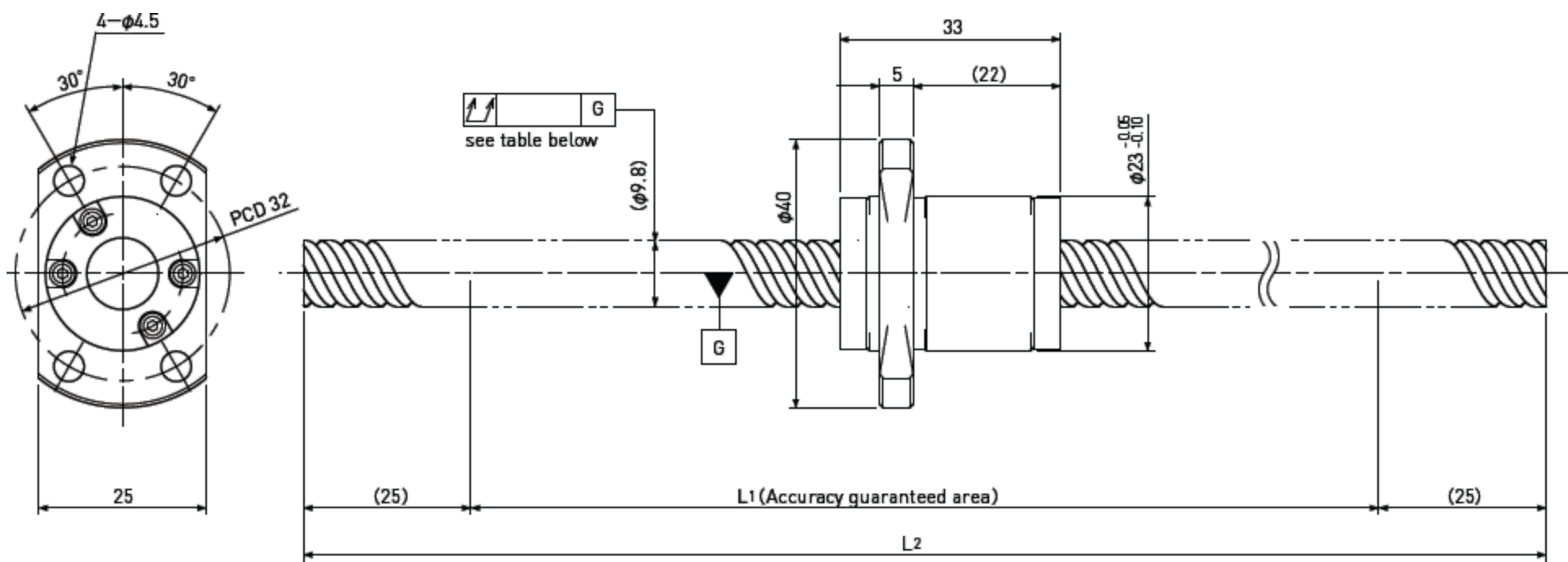
Standard products in stock SR series

SR1015

Shaft dia. $\varnothing 10$

Lead 15mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 2.0$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 8.4$
Number of circuit	1.6×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1015-450R450C7	365	Ct7	400	450	± 0.13	0.05	0.120	~ 0.020	-	3300	6400
SR1015-450R450C10	365	Ct10	400	450	± 0.56	0.21	0.240	~ 0.050			

Note) Please designate end-journal profile with your sketch.



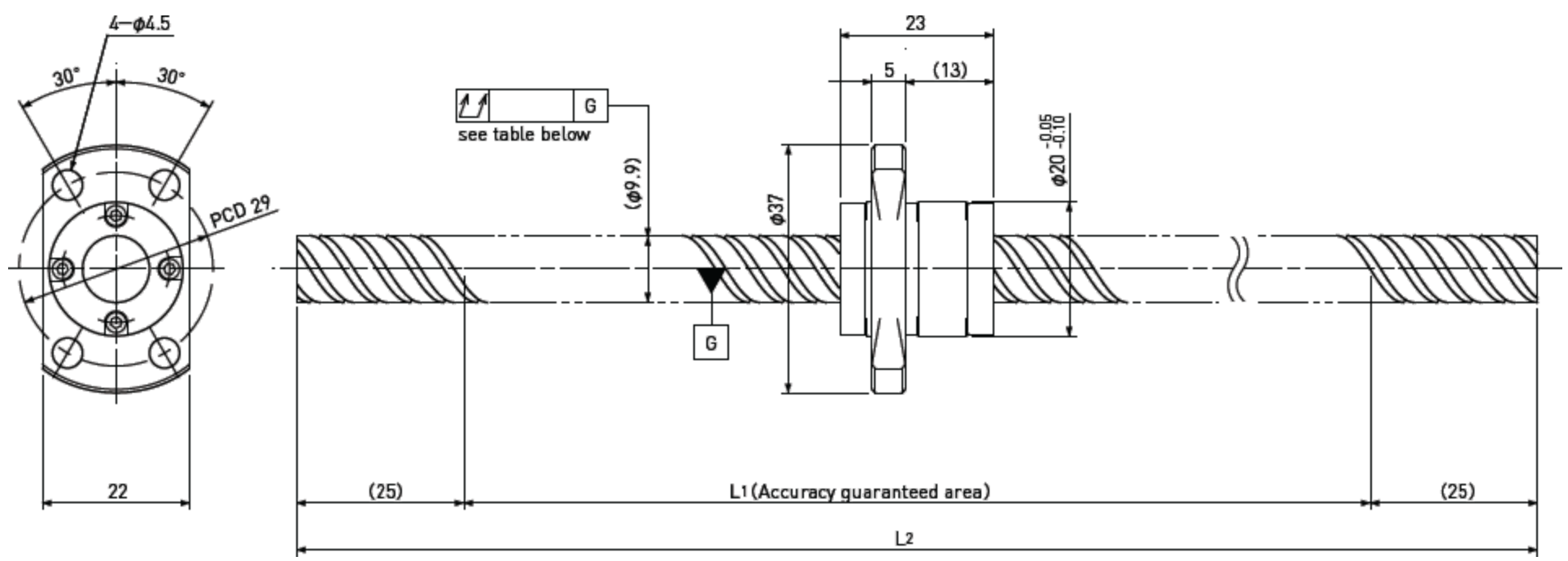
Standard products in stock SR series

SR1020

Shaft dia. $\varnothing 10$

Lead 20mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	4
Thread direction	Right
Shaft root dia.	$\varnothing 8.7$
Number of circuit	0.7×4
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1020-450R450C7	375	Ct7	400	450	±0.13	0.05	0.120	~0.020	-	2100	4000
SR1020-450R450C10	375	Ct10	400	450	±0.56	0.21	0.240	~0.050			

Note) Please designate end-journal profile with your sketch.



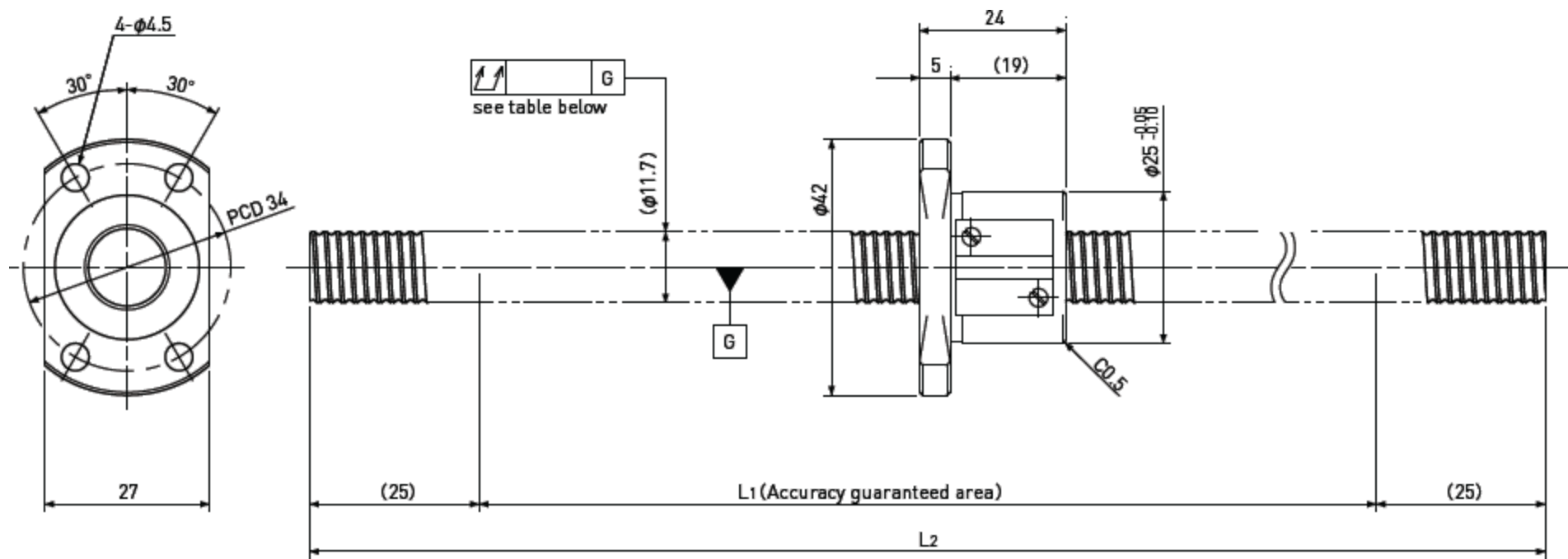
Standard products in stock SR series

SR1202

Shaft dia. $\varnothing 12$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 10.6$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1202-450R450C7	375	Ct7	400	450	± 0.13	0.05	0.080	~ 0.020	-	3300	6400
SR1202-450R450C10	375	Ct10	400	450	± 0.56	0.21	0.160	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



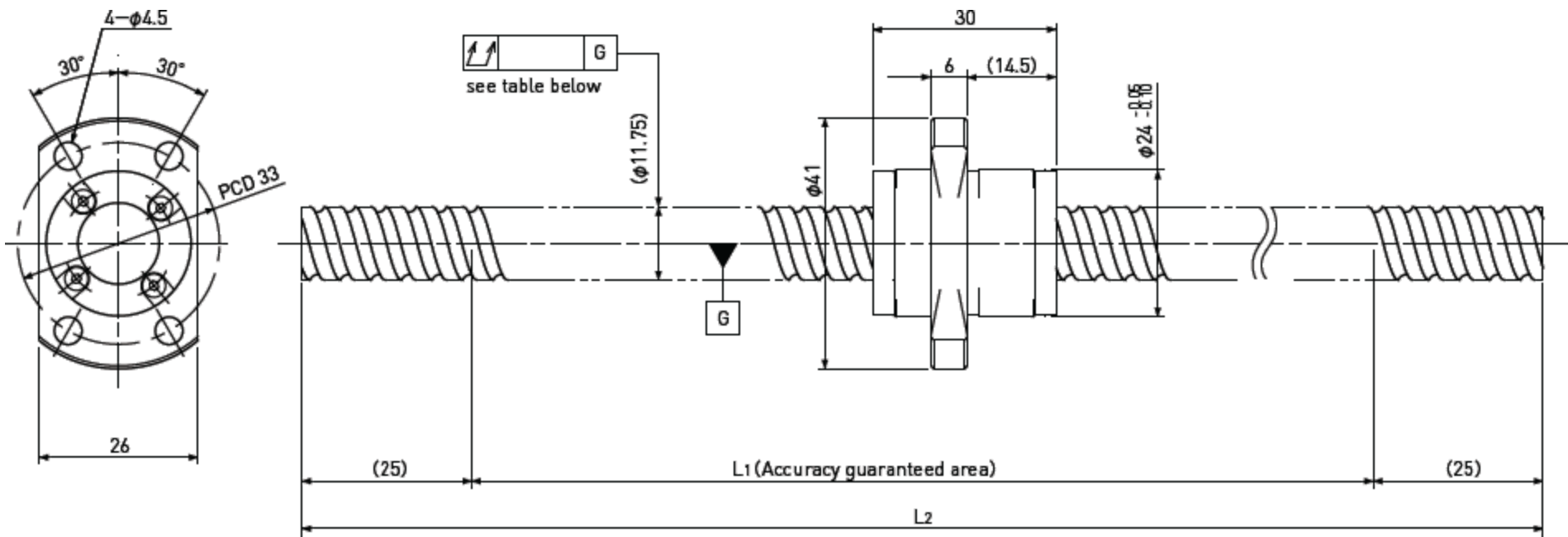
Standard products in stock SR series

SR1210

Shaft dia. $\varnothing 12$

Lead 10mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications	
Ball size	$\varnothing 2.381$
Number of thread	2
Thread direction	Right
Shaft root dia.	$\varnothing 10.2$
Number of circuit	1.7×2
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1210-450R450C7	370	Ct7	400	450	±0.13	0.05	0.080	~0.020	-	5100	9800
SR1210-450R450C10	370	Ct10	400	450	±0.56	0.21	0.160	~0.050	-		

Note) Please designate end-journal profile with your sketch.



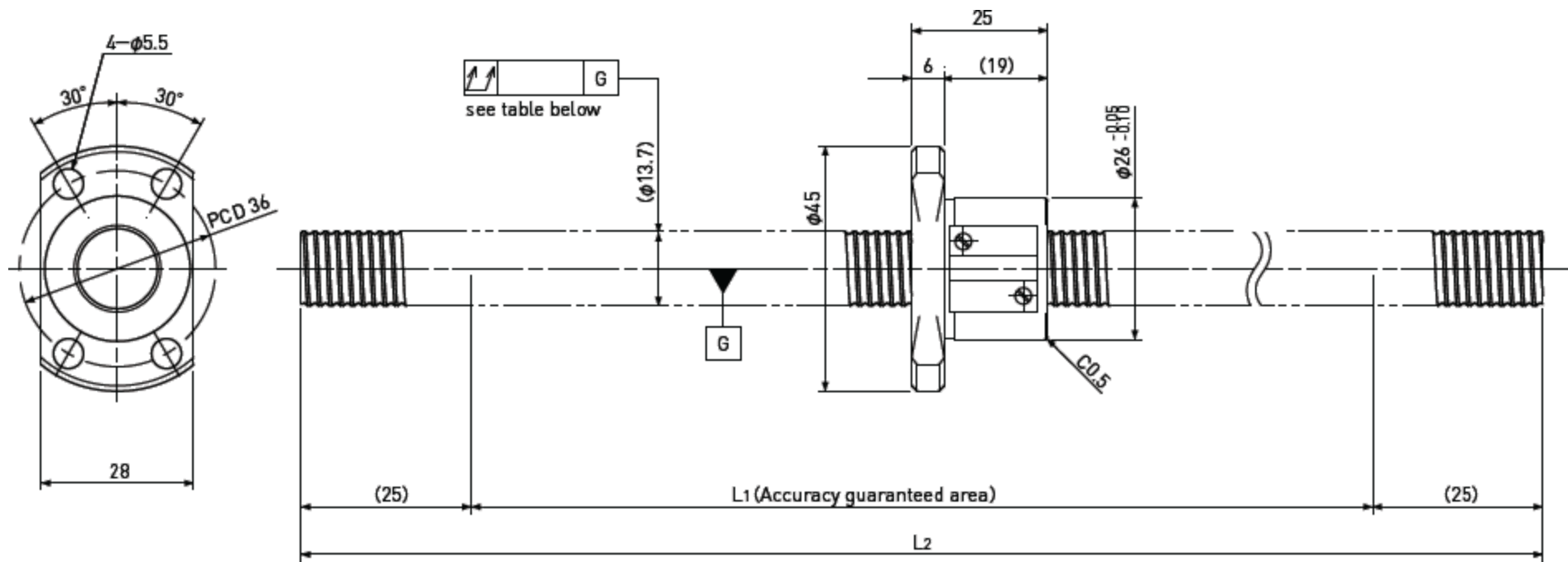
Standard products in stock SR series

SR1402

Shaft dia. $\varnothing 14$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 12.6$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out <i>U</i>	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation <i>e_p</i>	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1402-500R500C7	425	Ct7	450	500	± 0.15	0.05	0.080	~ 0.020	-	3200	7500
SR1402-500R500C10	425	Ct10	450	500	± 0.63	0.21	0.160	~ 0.050			

Note) Please designate end-journal profile with your sketch.



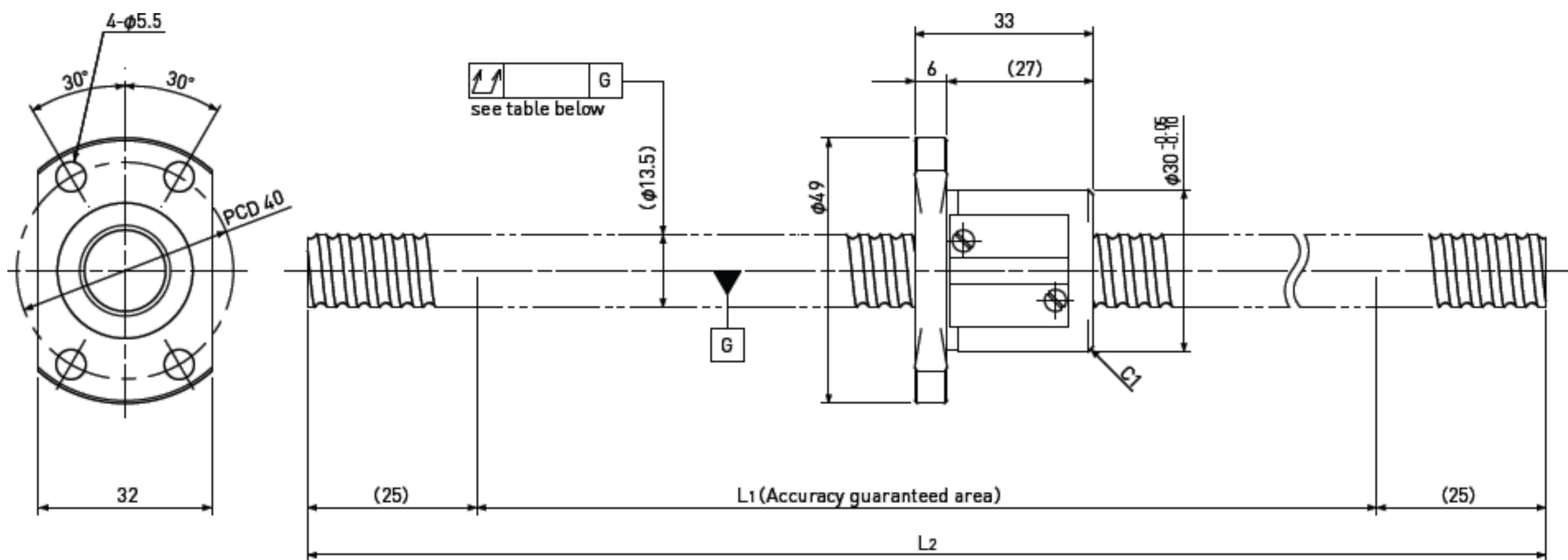
Standard products in stock SR series

SR1404

Shaft dia. $\varnothing 14$

Lead 4mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 2.381$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 11.8$
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out <i>U</i>	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation <i>e_p</i>	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR1404-500R500C7	415	Ct7	450	500	±0.15	0.05	0.080	~0.020	-	5700	11600
SR1404-500R500C10	415	Ct10	450	500	±0.63	0.21	0.160	~0.050			

Note) Please designate end-journal profile with your sketch.



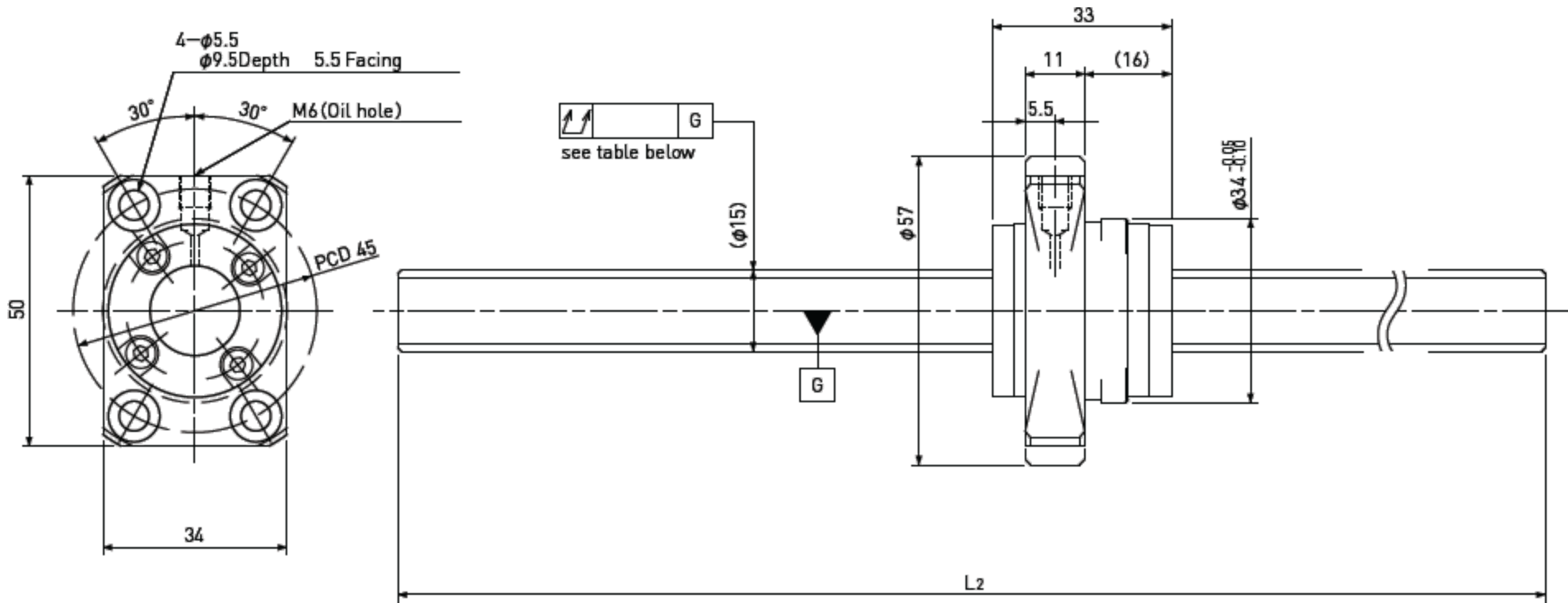
Standard products in stock SR series

SR1505

Shaft dia. $\varnothing 15$

Lead 5mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size		$\varnothing 3.175$
Number of thread		1
Thread direction		Right
Shaft root dia.		$\varnothing 12.2$
Number of circuit		3.7×1
Material	Shaft	SUJ2
	Nut	SCM415
Surface hardness		HRC58~62 (Thread area)
Anti-rust treatment		Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR1505-1000R1000C7	965	Ct7	-	1000	±0.34	0.05	0.200	~0.020	-	8900	17000
SR1505-1000R1000C10	965	Ct10	-	1000	±1.40	0.21	0.400	~0.050	-		

Note) Please designate end-journal profile with your sketch.



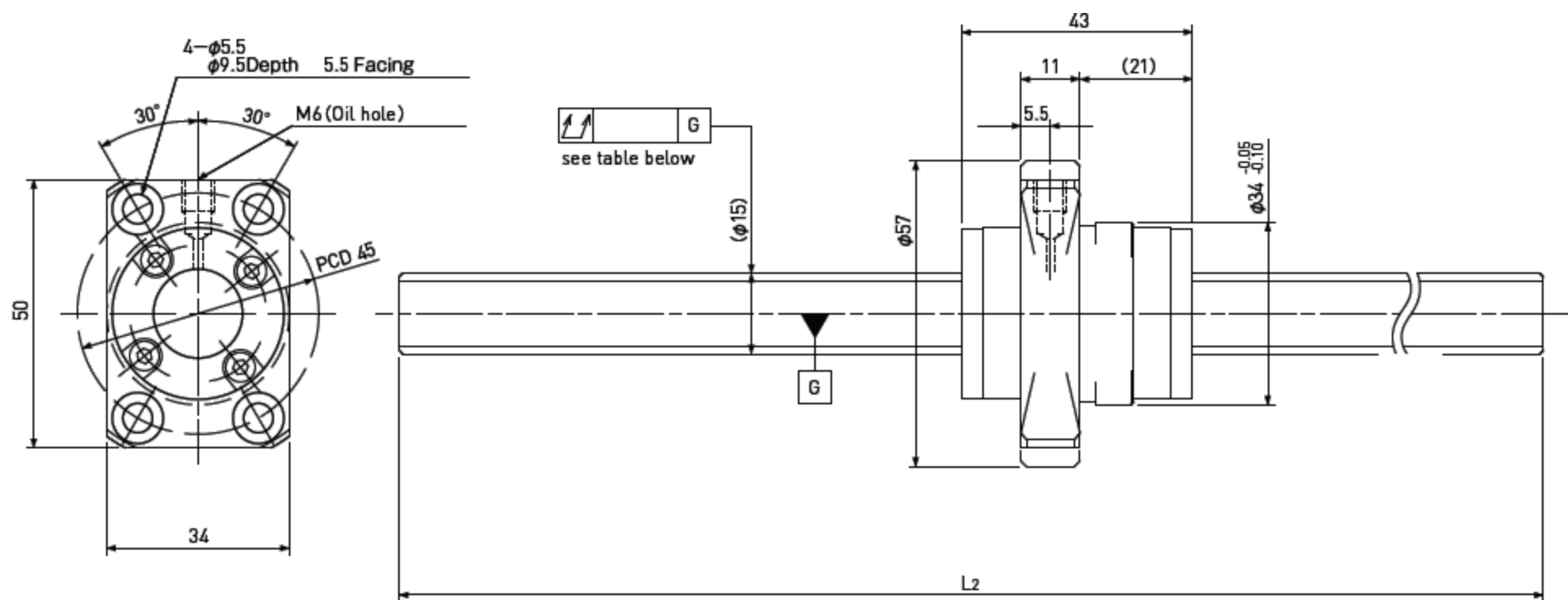
Standard products in stock SR series

SR1510

Shaft dia. $\varnothing 15$

Lead 10mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size		$\varnothing 3.175$
Number of thread		2
Thread direction		Right
Shaft root dia.		$\varnothing 12.2$
Number of circuit		2.7×2
Material	Shaft	SUJ2
	Nut	SCM415
Surface hardness		HRC58~62 (Thread area)
Anti-rust treatment		Anti-rust oil

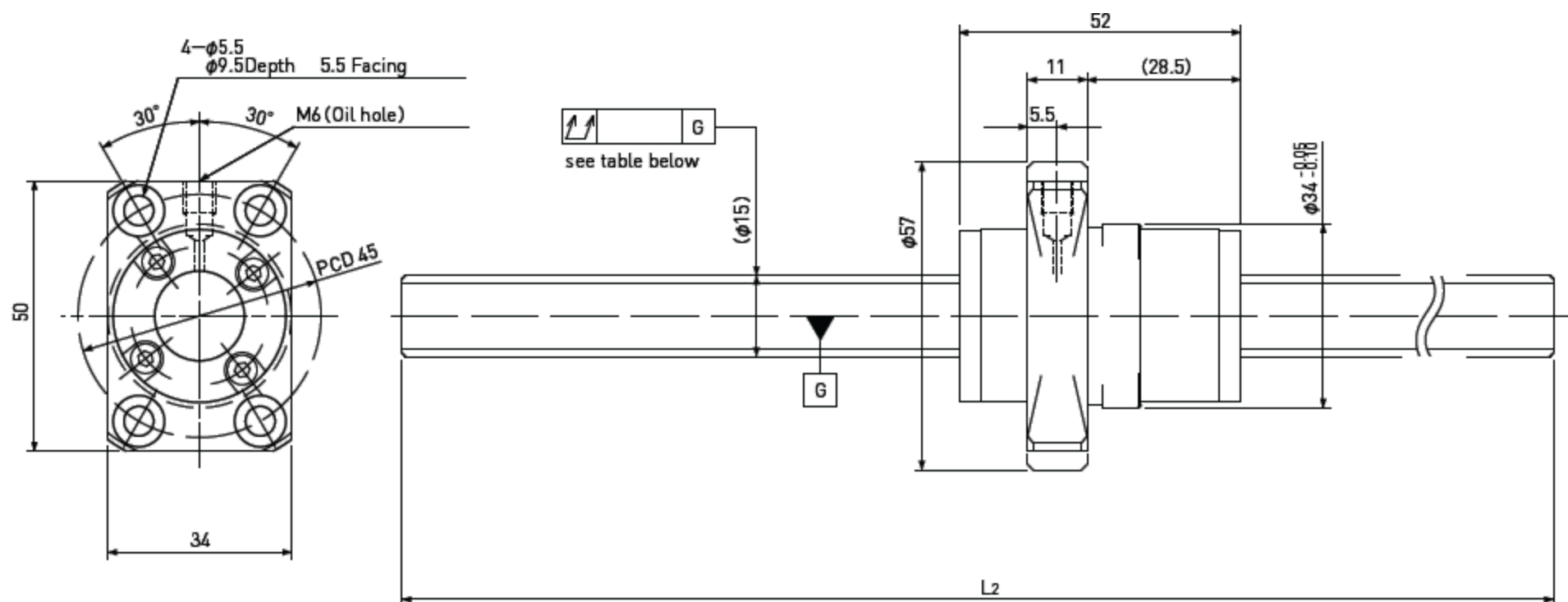
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SR1510-1000R1000C7	955	Ct7	-	1000	±0.34	0.05	0.200	~0.020	-	12000	25000
SR1510-1000R1000C10	955	Ct10	-	1000	±1.40	0.21	0.400	~0.050	-		

Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

Ct7&Ct10



Ball Screw Specifications

Ball size		ø3.175
Number of thread		2
Thread direction		Right
Shaft root dia.		ø12.7
Number of circuit		1.7×2
Material	Shaft	SUJ2
	Nut	SCM415
Surface hardness		HRC58~62 (Thread area)
Anti-rust treatment		Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SR1520-1000R1000C7	945	Ct7	-	1000	±0.34	0.05	0.200	~0.020	-	8000	16000
SR1520-1000R1000C10	945	Ct10	-	1000	±1.40	0.21	0.400	~0.050			

Note) Please designate end-journal profile with your sketch.



Standard products in stock SSR series

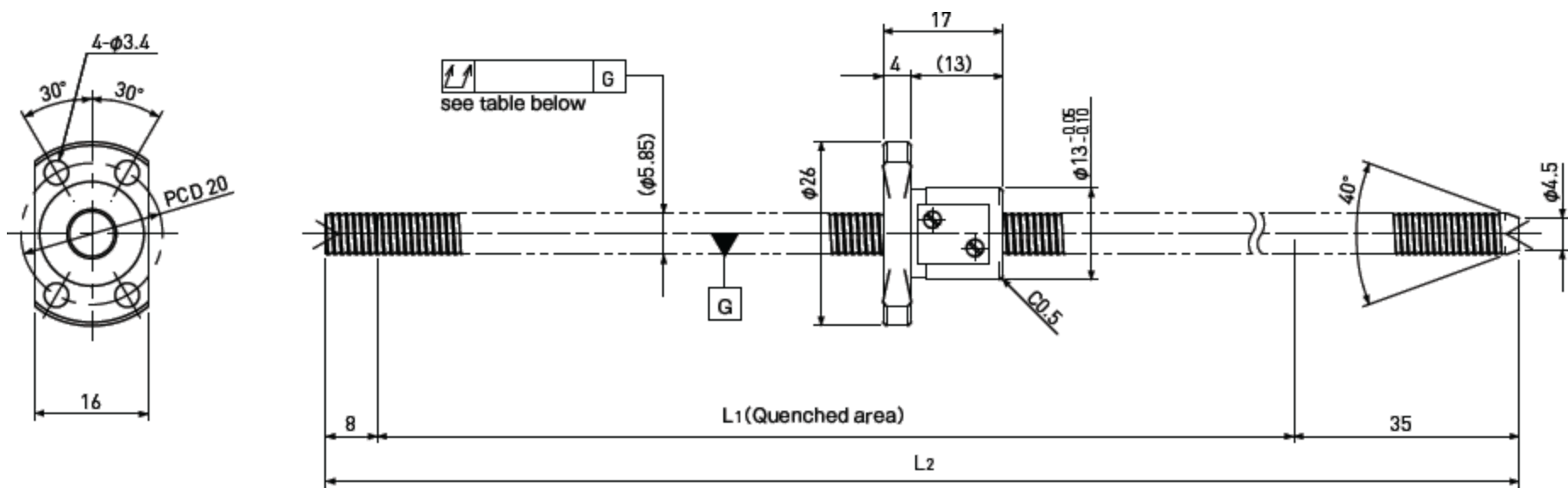
SSR0601

Stainless

Shaft dia. $\varnothing 6$

Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 5.3$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SUS440C
Surface hardness	HRC55~ (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSR0601-300C7	240	Ct7	257	300	± 0.09	0.05	0.120	~ 0.020	-	560	900
SSR0601-300C10	240	Ct10	257	300	± 0.37	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



Standard products in stock SSR series

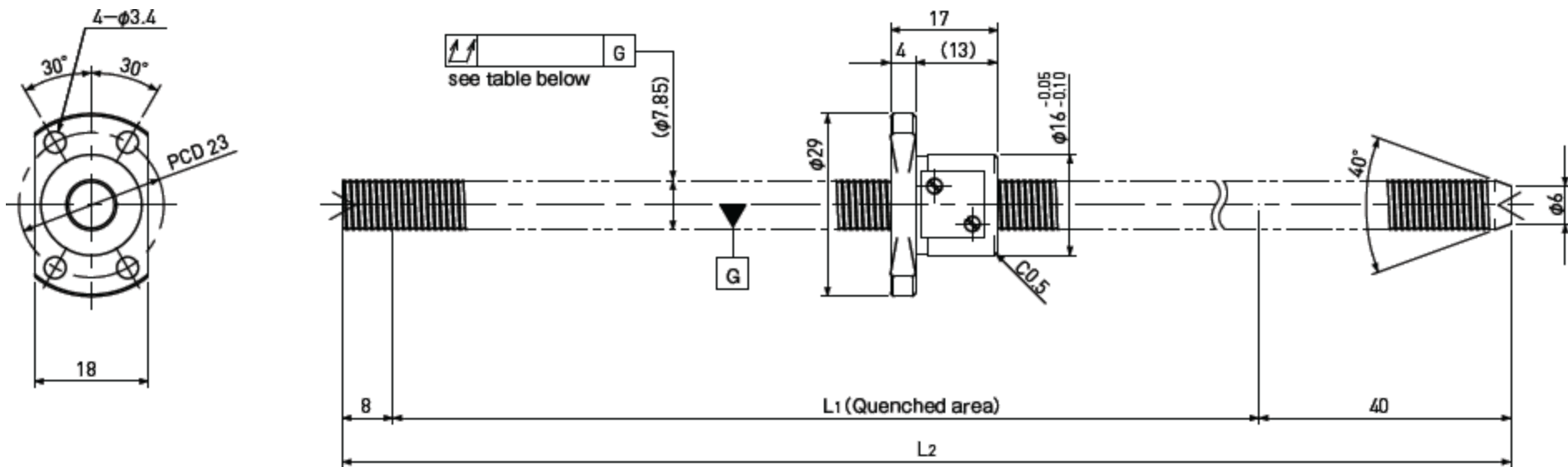
SSR0801

Stainless

Shaft dia. $\varnothing 8$

Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 0.8$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 7.3$
Number of circuit	3.7×1
Shaft/Nut Material	SUS440C
Surface hardness	HRC55~ (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSR0801-400C7	335	Ct7	352	400	± 0.10	0.05	0.120	~ 0.020	-	630	1250
SSR0801-400C10	335	Ct10	352	400	± 0.50	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



Standard products in stock SSR series

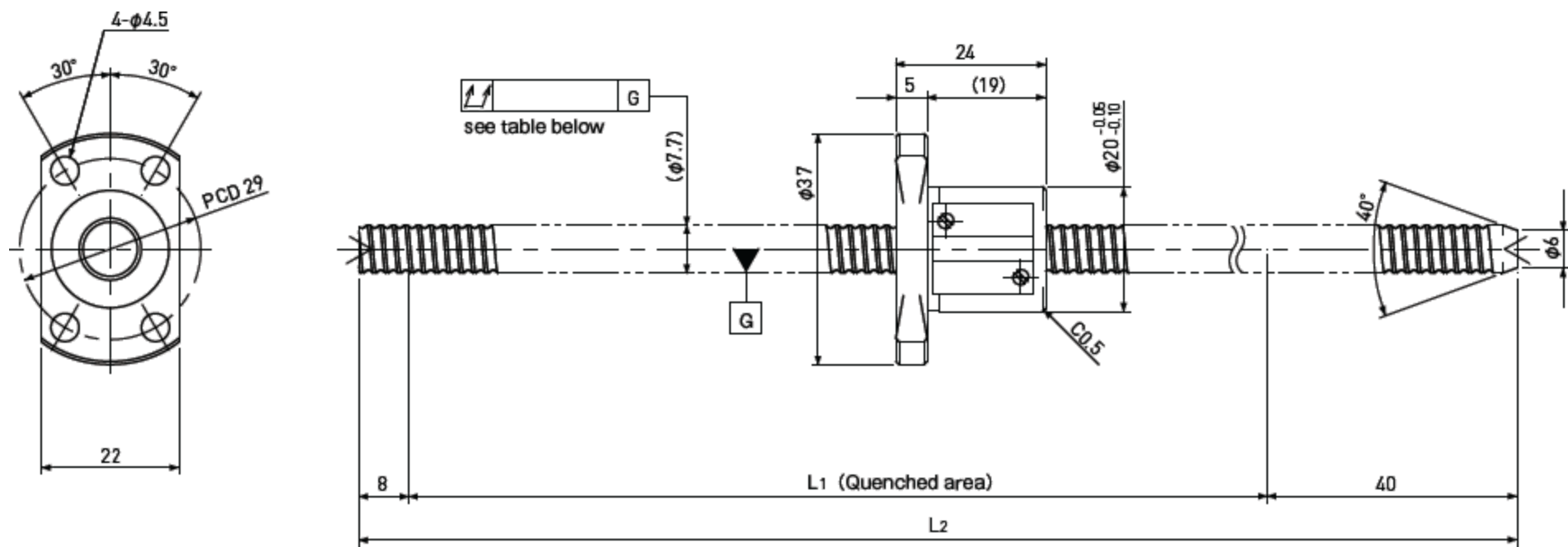
SSR0802

Stainless

Shaft dia. $\varnothing 8$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 6.6$
Number of circuit	3.7×1
Shaft/Nut Material	SUS440C
Surface hardness	HRC55~ (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSR0802-400C7	325	Ct7	352	400	± 0.10	0.05	0.120	~ 0.020	-	1950	3100
SSR0802-400C10	325	Ct10	352	400	± 0.50	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.



Standard products in stock SSR series

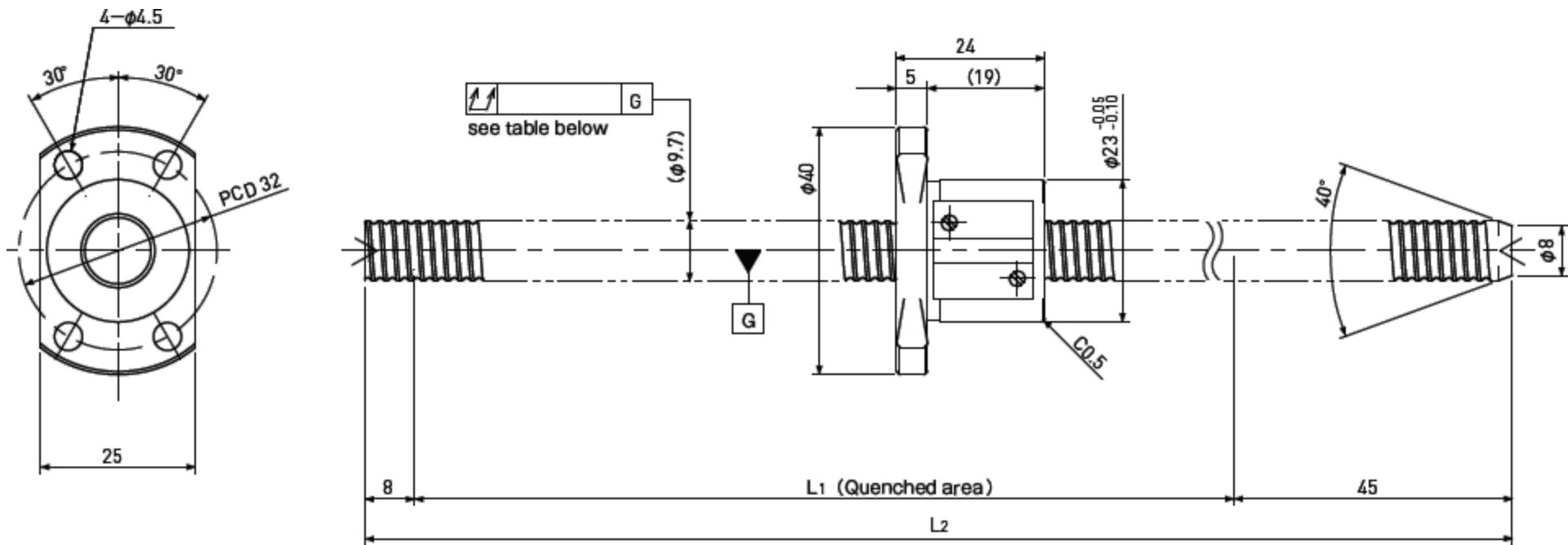
SSR1002

Stainless

Shaft dia. $\varnothing 10$

Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications

Ball size	$\varnothing 1.5875$
Number of thread	1
Thread direction	Right
Shaft root dia.	$\varnothing 8.6$
Number of circuit	3.7 $\times$ 1
Shaft/Nut Material	SUS440C
Surface hardness	HRC55~ (Thread area)
Anti-rust treatment	Anti-rust oil

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out μ	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	Travel deviation e_p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSR1002-400C7	320	Ct7	347	400	± 0.10	0.05	0.120	~ 0.020	-	2200	4000
SSR1002-400C10	320	Ct10	347	400	± 0.50	0.21	0.240	~ 0.050	-		

Note) Please designate end-journal profile with your sketch.