SRT / SSRT Flanged Nut Large Journal

ABSSAC

PRECISION MOTION SINCE 1982

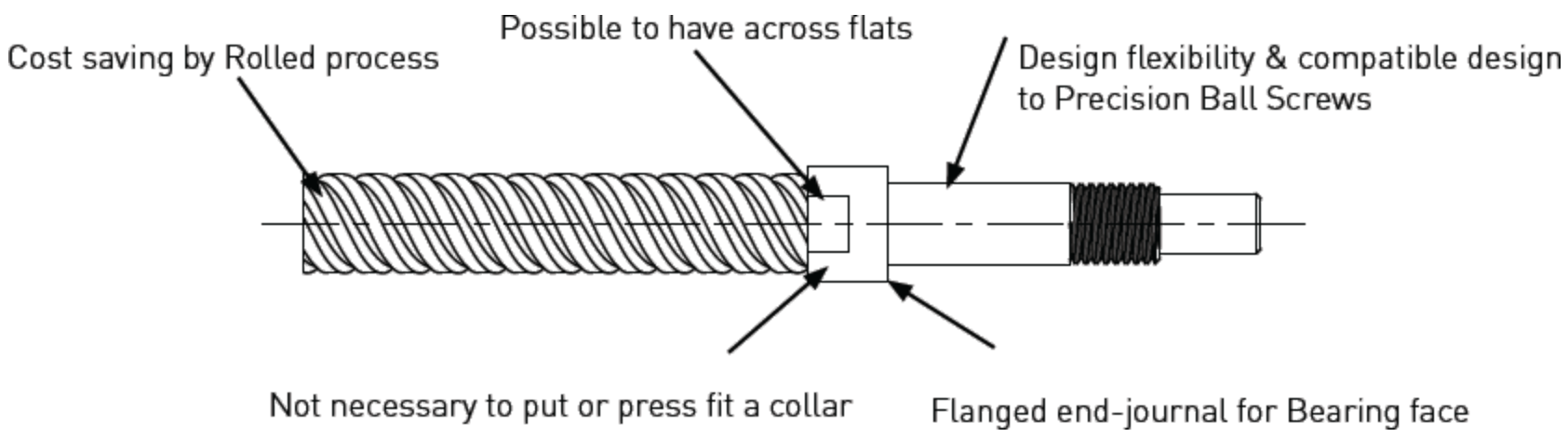
SRT/SSRT series

Standardized Rolled Ball Screws with Integrated end-journal

For production reason, Rolled Ball Screws are normally necessary to have smaller end-journal, but as ABSSAC have adopted special technology, it enables fixed end-journal bigger than Shaft diameter alike solid Ball Screws. This technology enables stable and more flexible on end-journal design.

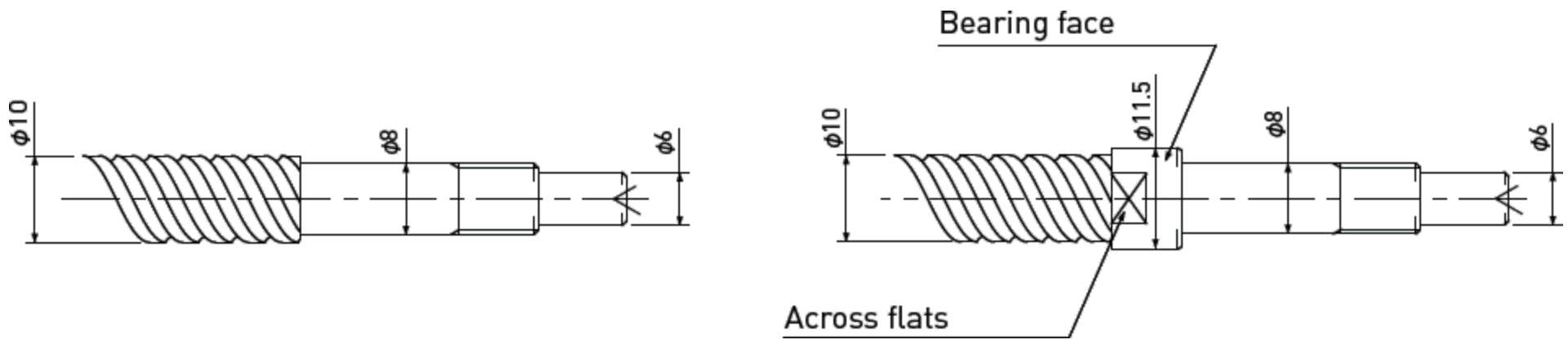
Features

- Design flexibility and wide use of Bearings on end-journal.
- Compatible end-journal to Precision Ball Screws.
- No need to insert or press fit collar as Bearing shoulder.
- Quick delivery due to unfinished end-journal stock.
- Stainless Rolled Ball Screws are also available.



Comparison with current model

Shaft nominal diameter : ø10mm



Current model design **New model design**

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		•						•			

Accuracy Grade & Axial play

The grade of SRT/SSRT series (Standardized Rolled & Stainless Rolled Ball Screws with Integrated endjournal) are Ct7 or Ct10(JIS B-1192). 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 of thread area	Heat treatment	Surface hardness
Rolled Ball Screws (SRT series)	Shaft : SCM415	Carburizing and Quenching	HRC58 or more
	Nut : SCM415		
Stainless Rolled Ball Screws (SSRT series)	Shaft : SUS440C	Induction hardening	HRC55 or more
	Nut : SUS440C	Vacuum hardening	

Lubrication

SRT/SSRT series (Standardized Rolled & Stainless Rolled Ball Screws with Integrated end-journal) will be supplied with anti-rust oil. This oil is not lubricant, when Ball Screw operates, lubricant should be applied. If there is no specific instruction, ABSSAC would recommend our original Grease (MSG No.2) as standard lubricant. Please feel free to contact us.

Model number notation

SRT	04	01	—	086	R	126	C7	B	1	X
①	②	③		④	⑤	⑥	⑦	⑧	⑨	⑩

① Rolled Ball Screws Series No.
SRT : Rolled Ball Screws with Integrated end-journal
SSRT : Stainless Rolled Ball Screws with Integrated end-journal
② Screw Shaft nominal diameter(mm)
③ Lead(mm)
④ Screw thread length(mm)
(Specify in 1mm units after end-journal machining)
⑤ Thread direction(R=Right-hand)
⑥ Screw Shaft total length(mm)
(Specify in 1mm units)
⑦ Accuracy grade(C7 or C10)
⑧ Shaft end-journal profile
(Refer to Fig. A-24 below : A-type,B-type,C-type)
⑨ Anti-rust oil or Lubricant
0 : ABSSAC grease(MSG No.2)
1 : Anti-rust oi(l Non Ruster PZ2)
2 : Multemp PS2 grease
3 : Other
⑩ Nut Flange direction (Refer to Fig. A-25 below)

Fig. A-24 : Shaft end-journal profile

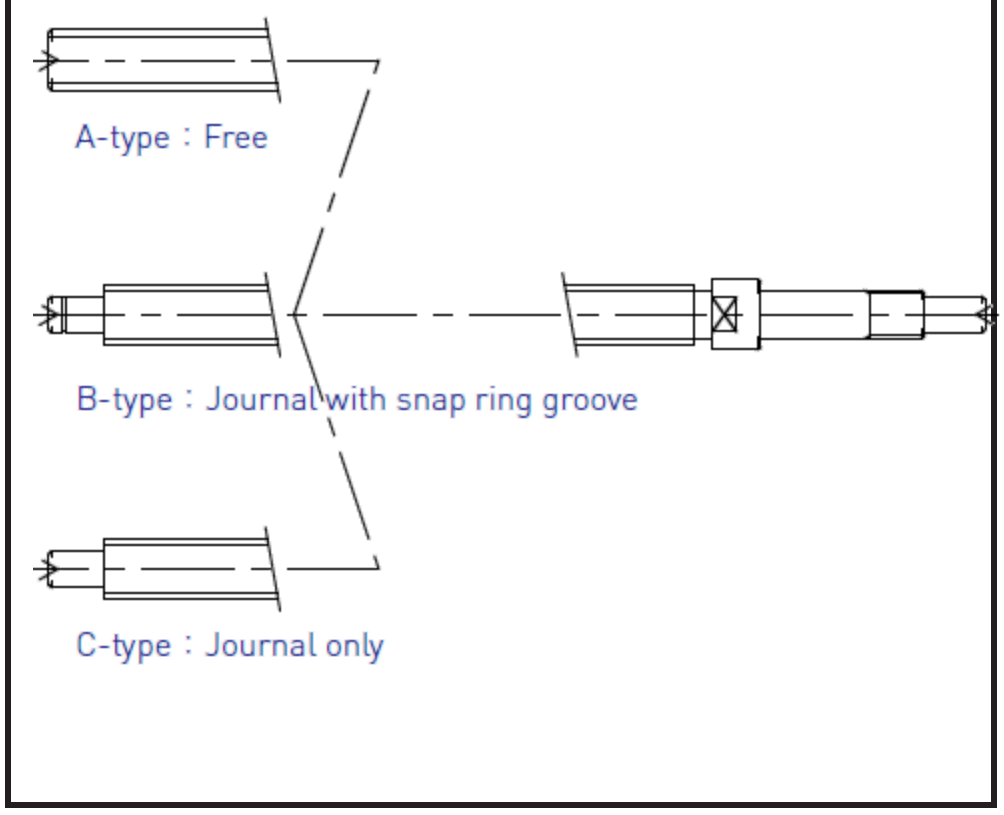
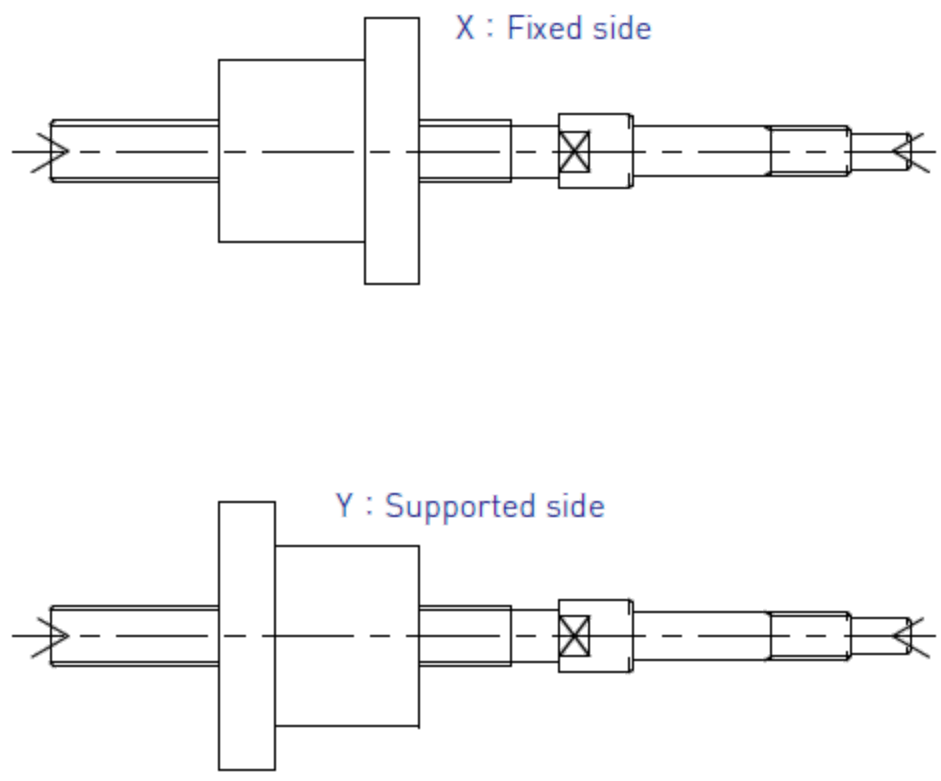


Fig. A-25 : Nut Flange direction



Note 1) The detail of end-journal dimension for each size is shown from next page.
Note 2) ABSSAC does not make additional Nut machining.
Note 3) The specification is subject to change without notice.
Note 4) If the other configuration except (A,B,C) is requested, please contact ABSSAC.

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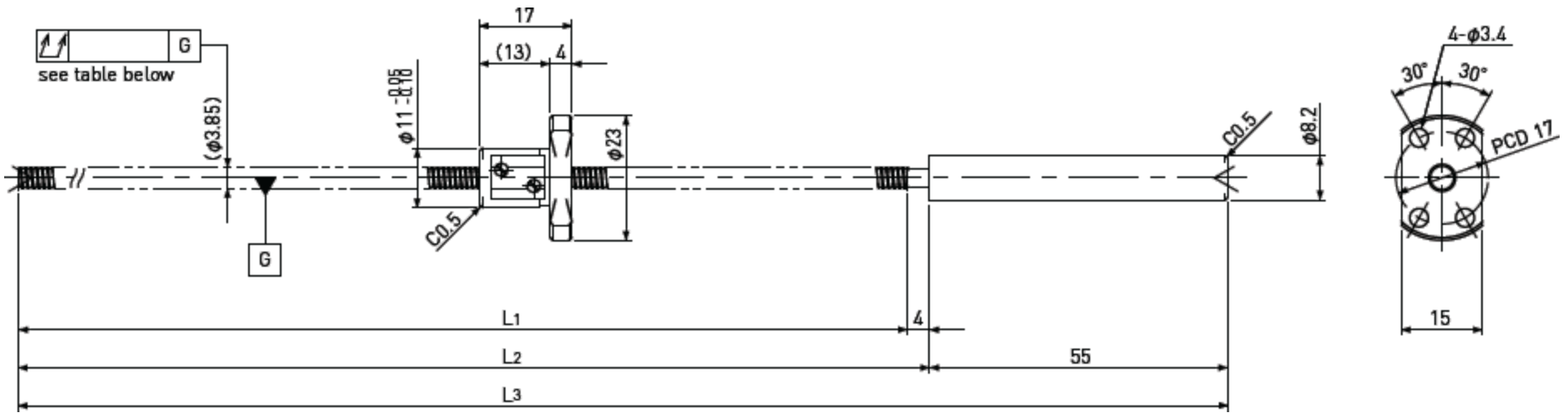
Standard products in stock SRT series

SRT0401 | Shaft dia. ø4 | Lead 1mm | Ct7&Ct10

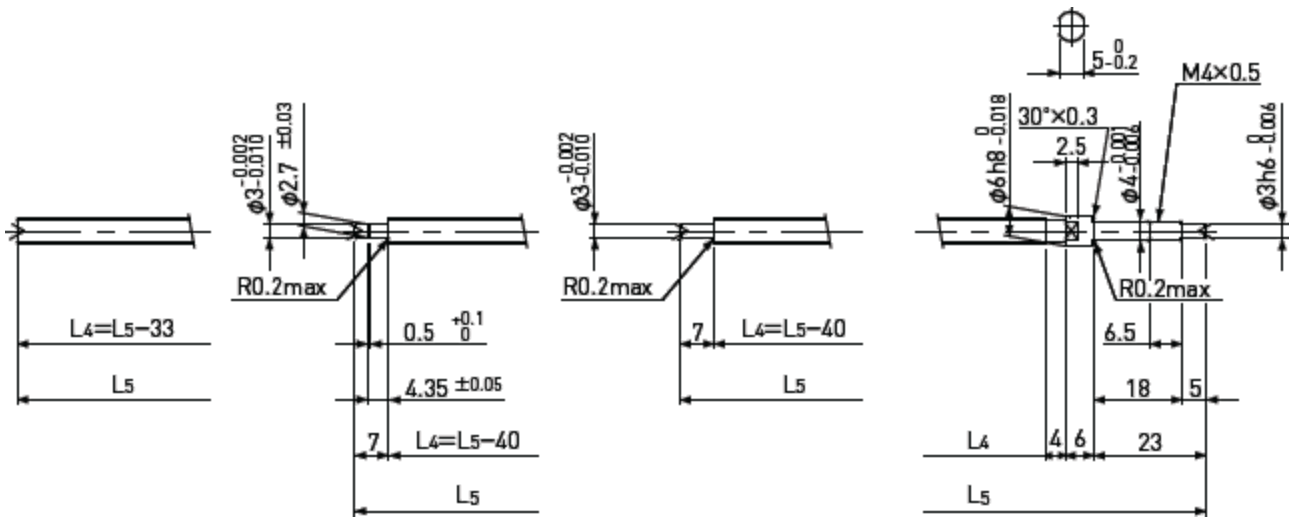


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø3.3
Number of circuit		3.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
Supported-side:	SUP03-S	
Fixed-side:	EK4	

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0401-096R155C7	75	Ct7	96	100	155	±0.03	0.05	0.080	~0.020	-	560	790
SRT0401-216R275C7	195	Ct7	216	220	275	±0.07	0.05	0.120				
SRT0401-096R155C10	75	Ct10	96	100	155	±0.13	0.21	0.160	~0.050			
SRT0401-216R275C10	195	Ct10	216	220	275	±0.30	0.21	0.240				

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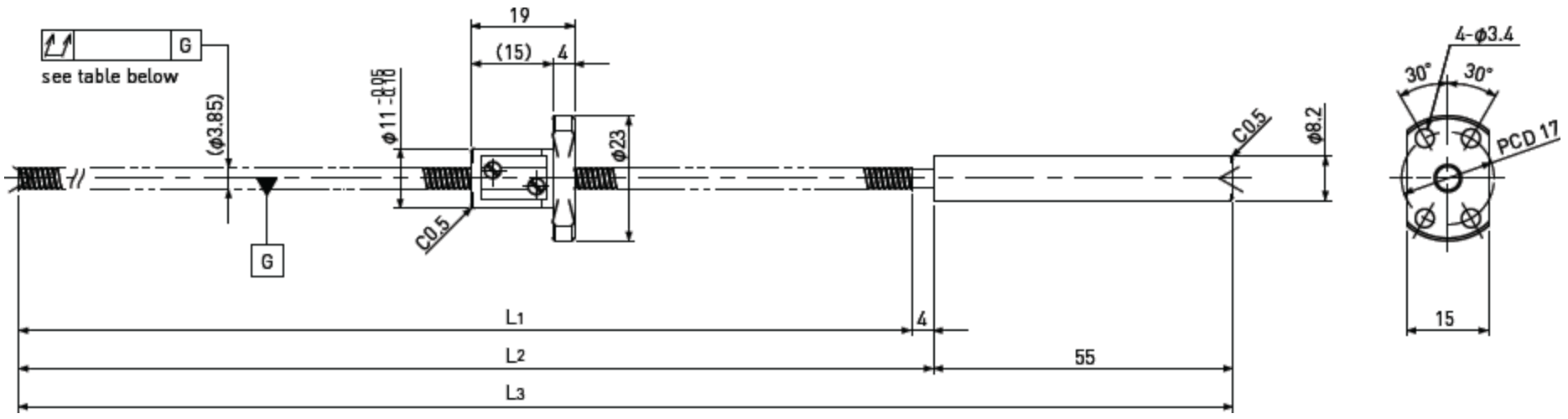
Standard products in stock SRT series

SRT0402 | Shaft dia. ø4 | Lead 2mm | Ct7&Ct10

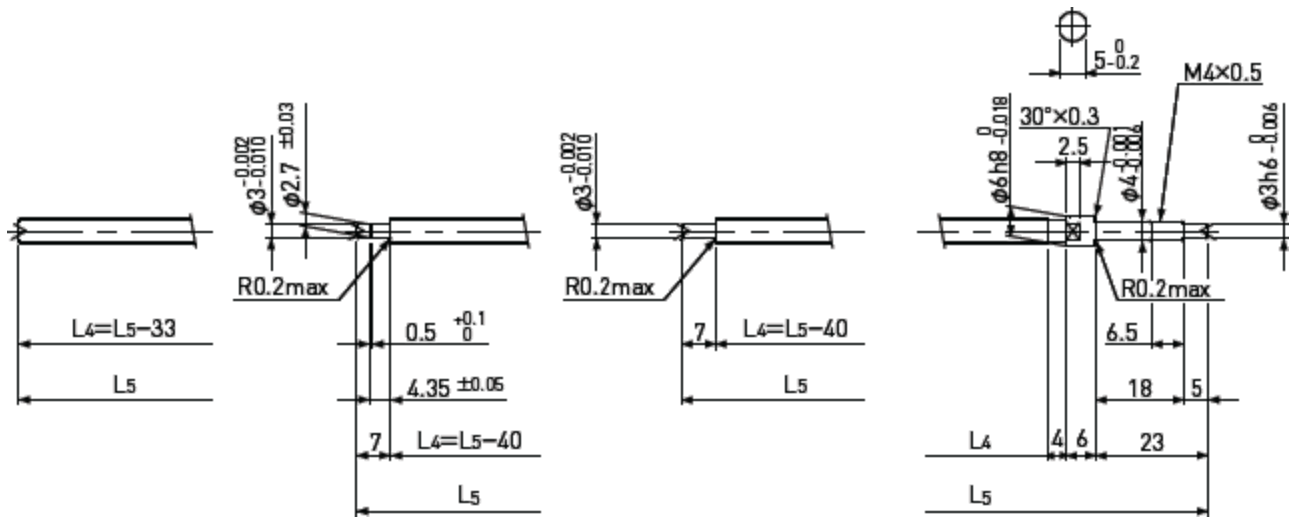


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø3.3
Number of circuit		2.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
Supported-side:	SUP03-S
Fixed-side:	EK4

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0402-096R155C7	75	Ct7	96	100	155	±0.03	0.05	0.080	~0.020	-	420	570
SRT0402-216R275C7	195	Ct7	216	220	275	±0.07	0.05	0.120				
SRT0402-096R155C10	75	Ct10	96	100	155	±0.13	0.21	0.160	~0.050			
SRT0402-216R275C10	195	Ct10	216	220	275	±0.30	0.21	0.240				

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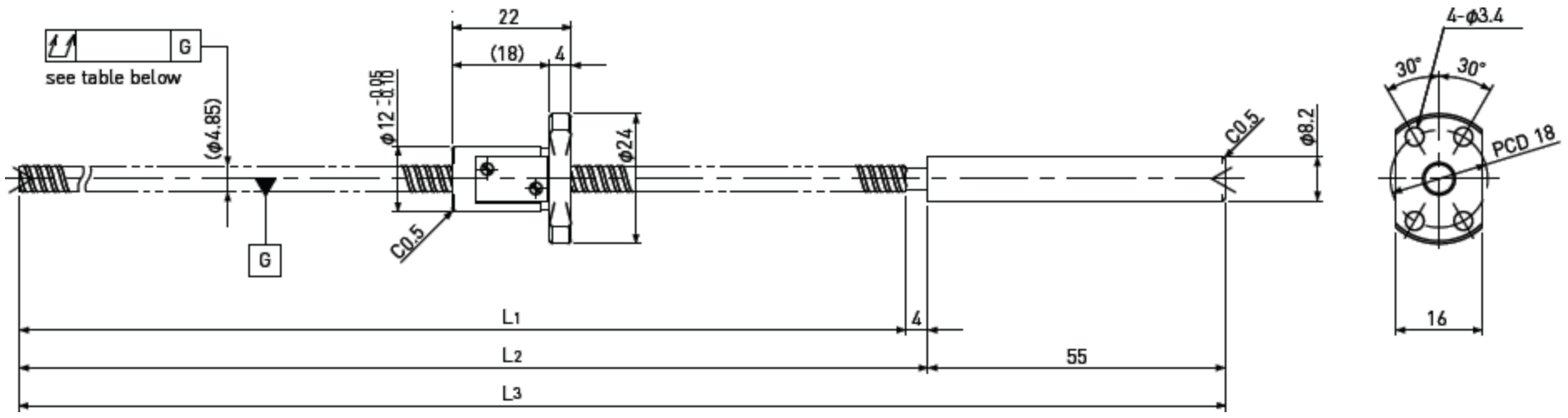
Standard products in stock SRT series

SRT0504 | Shaft dia. ø5 | Lead 4mm | Ct7&Ct10

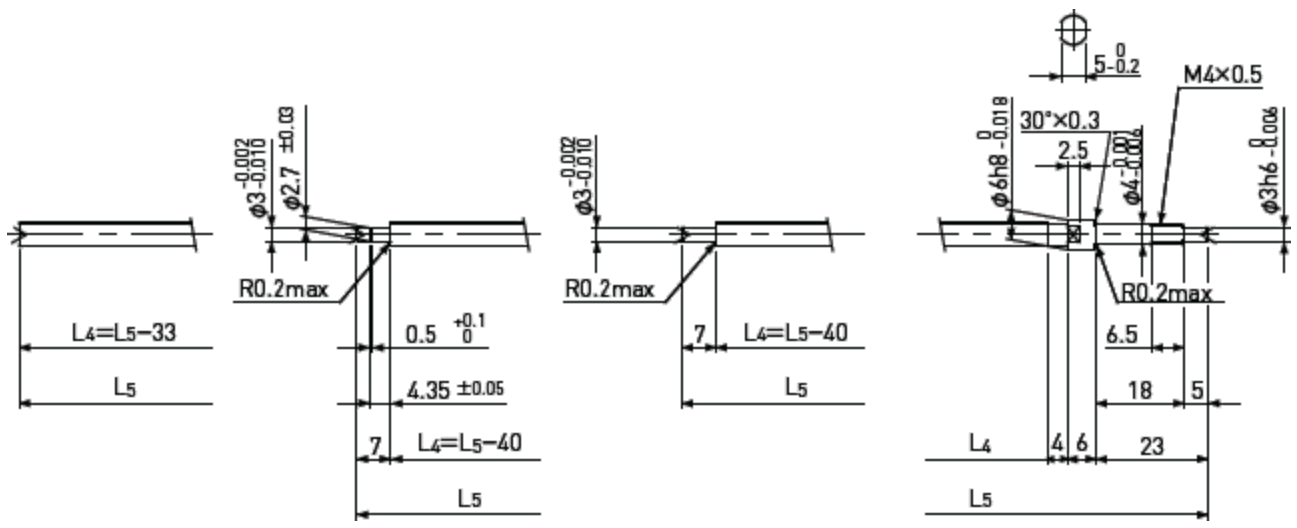


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø4.3
Number of circuit		2.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
Supported-side:	SUP03-S	
Fixed-side:	EK4	

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0504-096R155C7	70	Ct7	96	100	155	±0.03	0.05	0.080	~0.020	-	470	720
SRT0504-216R275C7	190	Ct7	216	220	275	±0.07	0.05	0.120				
SRT0504-096R155C10	70	Ct10	96	100	155	±0.13	0.21	0.160	~0.050			
SRT0504-216R275C10	190	Ct10	216	220	275	±0.30	0.21	0.240				

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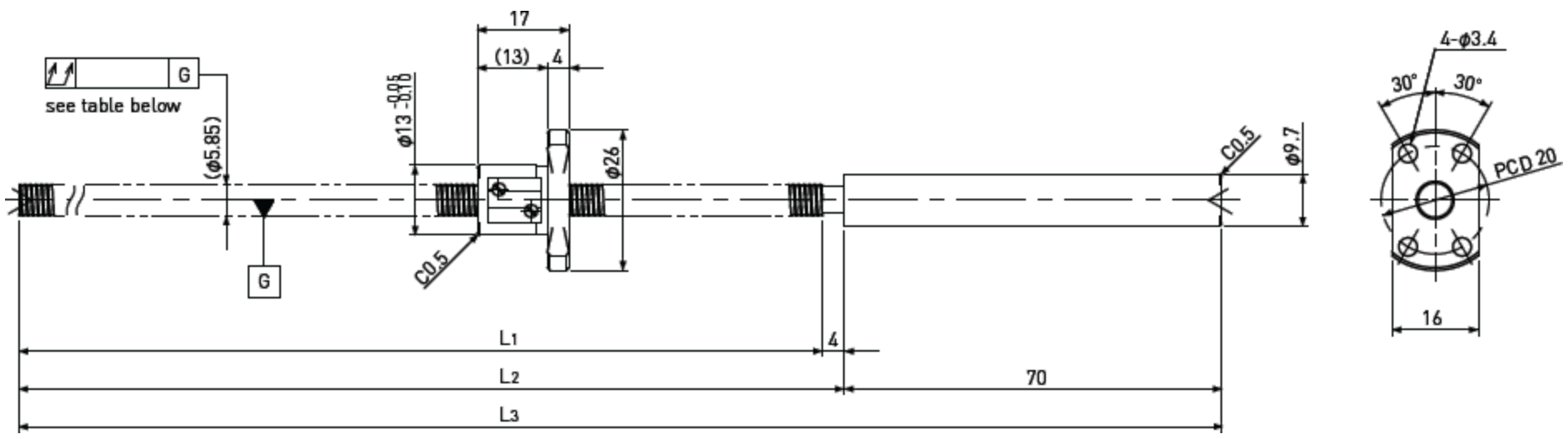
Standard products in stock SRT series

SRT0601 | Shaft dia. ø6 | Lead 1mm | Ct7&Ct10

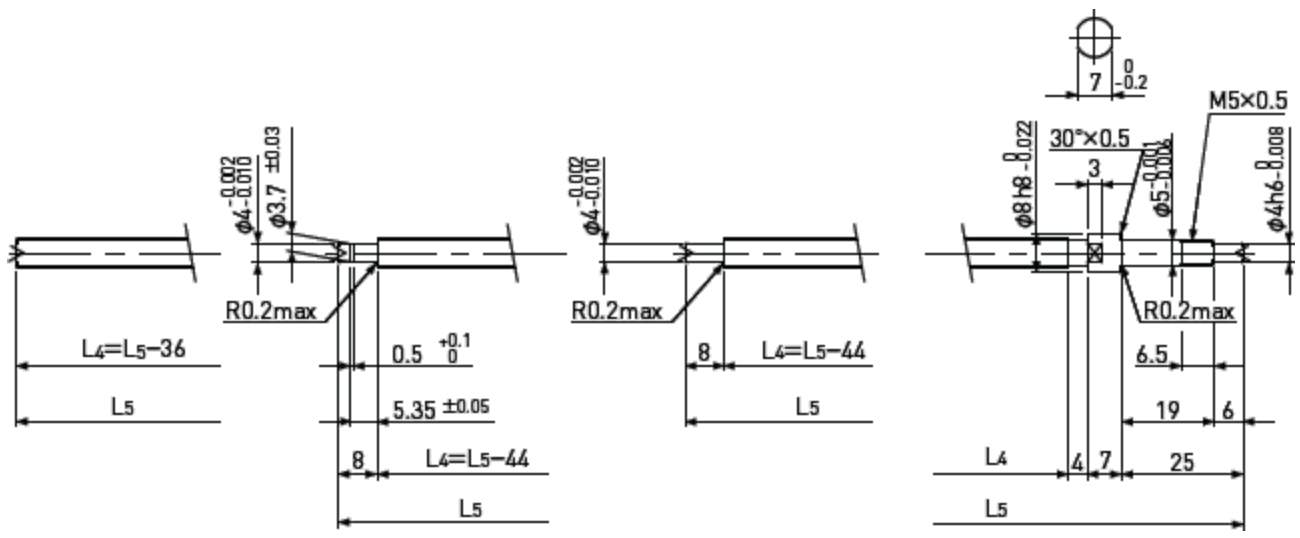


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø3.3
Number of circuit		3.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

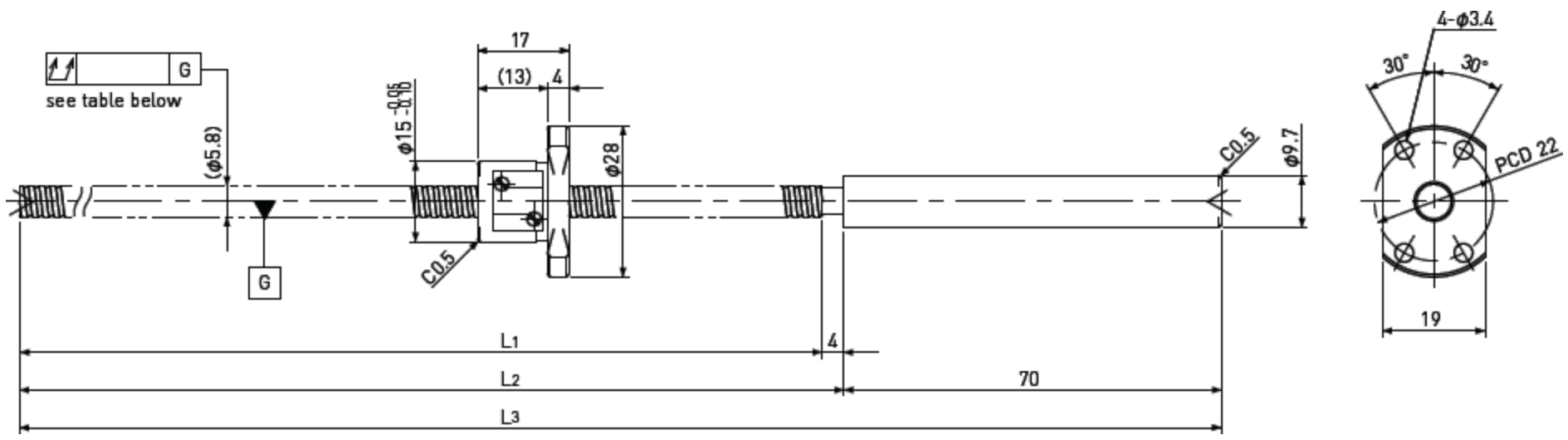
Support-unit Recommendation		
Supported-side:	SUP04-S
Fixed-side:	EK5

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0601-146R220C7	125	Ct7	146	150	220	±0.05	0.05	0.080	~0.020	-	680	1200
SRT0601-261R335C7	240	Ct7	261	265	335	±0.09	0.05	0.120				
SRT0601-146R220C10	125	Ct10	146	150	220	±0.20	0.21	0.160	~0.050			
SRT0601-261R335C10	240	Ct10	261	265	335	±0.36	0.21	0.240				

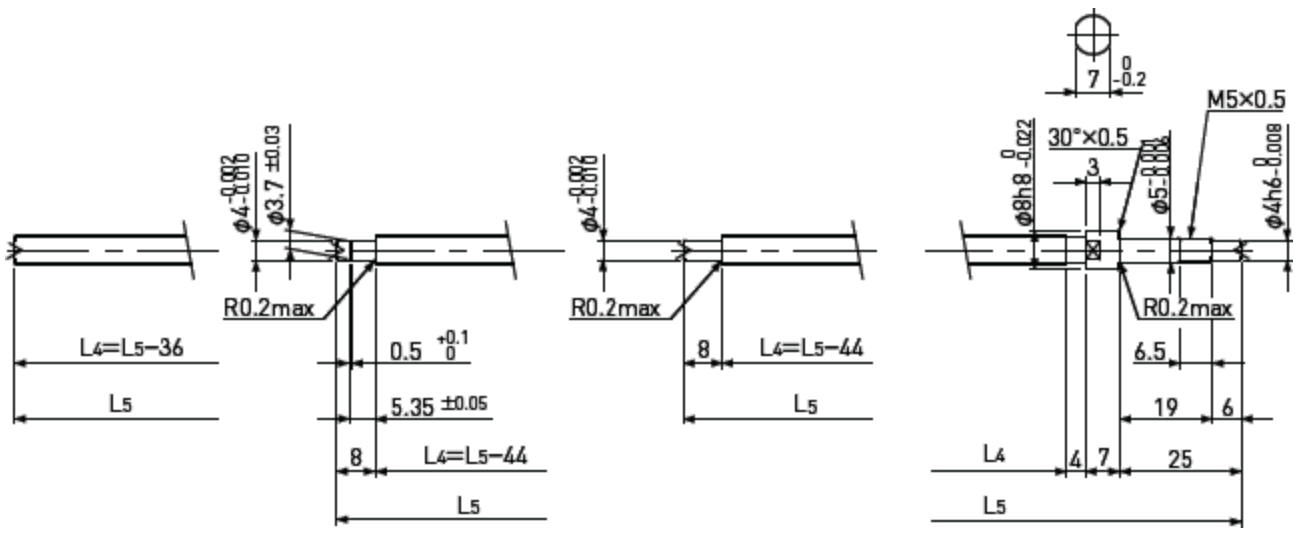
Standard products in stock SRT series

SRT0602 | Shaft dia. ø6 | Lead 2mm | Ct7&Ct10



Unit : mm

Ball Screw Specifications			End-journal profile		Supported-side	Fixed-side
Ball size		ø1.0	A-type	B-type	C-type	
Number of thread		1				
Thread direction		Right				
Shaft root dia.		ø5.1				
Number of circuit		2.7×1				
Material	Shaft	SCM415H+SUS303				
	Nut	SCM415H				
Surface hardness		HRC58~ (Thread area)				
Anti-rust treatment		Anti-rust oil	Support-unit Recommendation		Supported-side:	SUP04-S
					Fixed-side:	EK5



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0602-146R220C7	125	Ct7	146	150	220	±0.05	0.05	0.080	~0.020	-	750	1200
SRT0602-261R335C7	240	Ct7	261	265	335	±0.09	0.05	0.120				
SRT0602-146R220C10	125	Ct10	146	150	220	±0.20	0.21	0.160	~0.050			
SRT0602-261R335C10	240	Ct10	261	265	335	±0.36	0.21	0.240				

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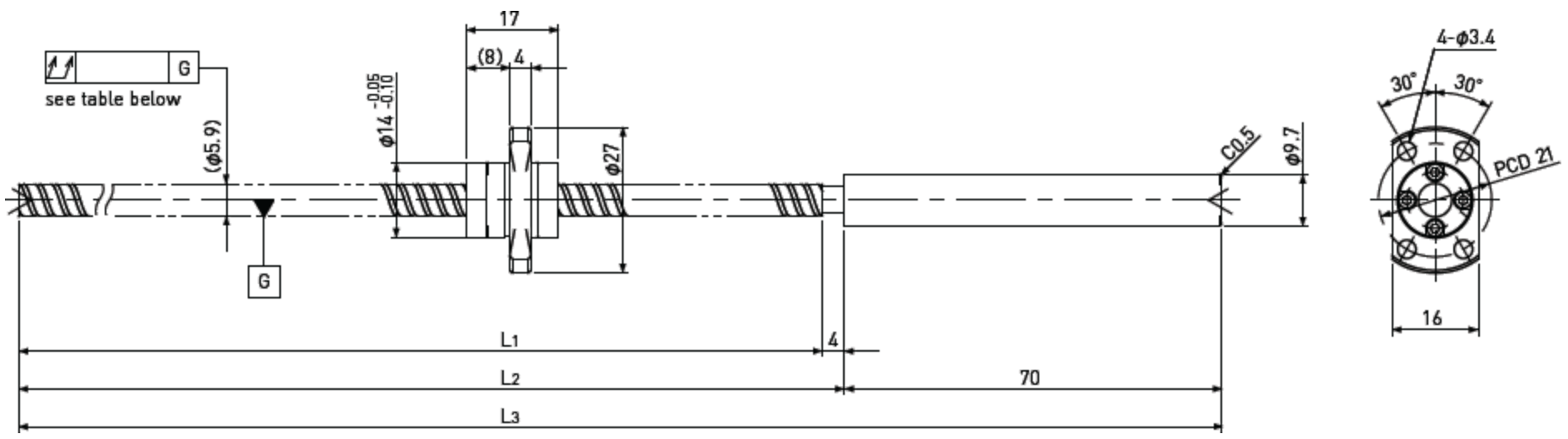
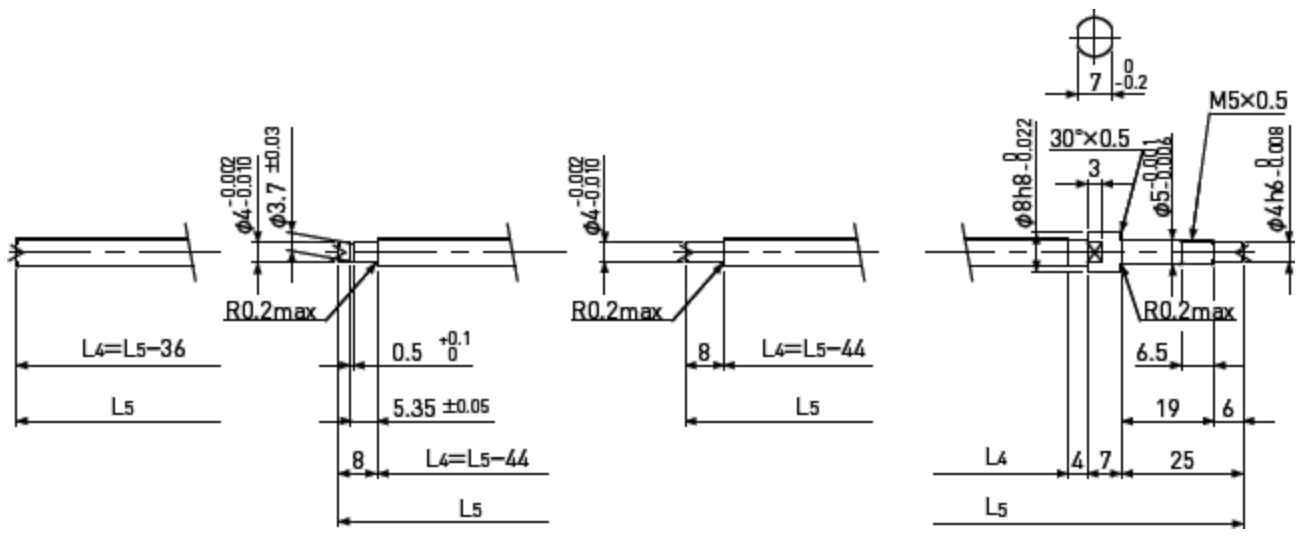
Standard products in stock SRT series

SRT0606 | Shaft dia. ø6 | Lead 6mm | Ct7&Ct10



Unit : mm

Ball Screw Specifications			End-journal profile		Supported-side	Fixed-side
Ball size		ø1.0	A-type	B-type	C-type	
Number of thread		2				
Thread direction		Right				
Shaft root dia.		ø5.2				
Number of circuit		1.6×2				
Material	Shaft	SCM415H+SUS303				
	Nut	SCM415H				
Surface hardness		HRC58~ (Thread area)				
Anti-rust treatment		Anti-rust oil	Support-unit Recommendation		Supported-side:	SUP04-S
					Fixed-side:	EK5



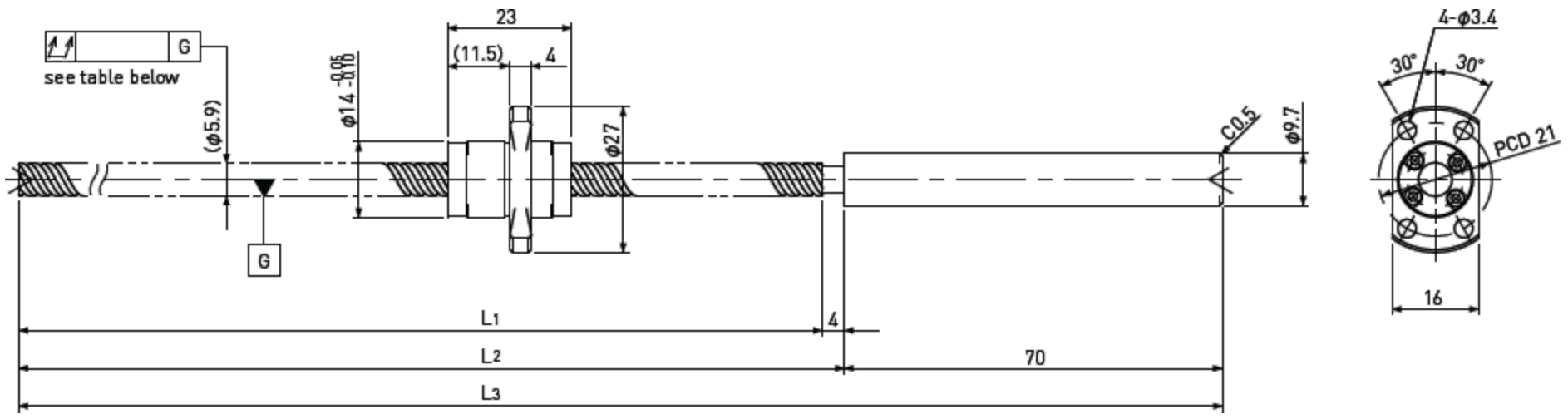
L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0606-146R220C7	125	Ct7	146	150	220	±0.05	0.05	0.080	~0.020	-	870	1450
SRT0606-261R335C7	240	Ct7	261	265	335	±0.09	0.05	0.120				
SRT0606-146R220C10	125	Ct10	146	150	220	±0.20	0.21	0.160	~0.050			
SRT0606-261R335C10	240	Ct10	261	265	335	±0.36	0.21	0.240				

Standard products in stock SRT series

SRT0610 | Shaft dia. Ø6 | Lead 10mm | Ct7&Ct10

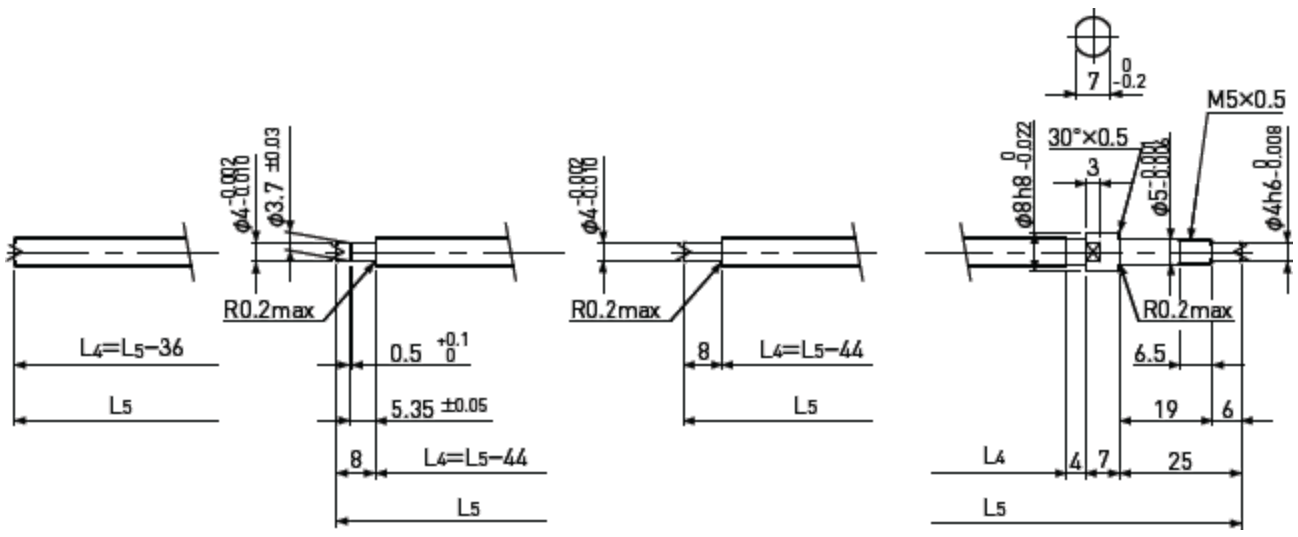


Unit : mm

Ball Screw Specifications		
Ball size		ø1.2
Number of thread		2
Thread direction		Right
Shaft root dia.		ø5.0
Number of circuit		1.2×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Support-unit Recommendation	Supported-side: SUP04-S; Fixed-side: EK5

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length L_1	Shaft length L_2	Shaft length L_3	Lead accuracy: Travel deviation e_P	Lead accuracy: Variation V_{300}	Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N: Dynamic Ca	Basic Load Rating N: Static Coa
SRT0610-146R220C7	120	Ct7	146	150	220	±0.05	0.05	0.080	~0.020	-	950	1600
SRT0610-261R335C7	235	Ct7	261	265	335	±0.09	0.05	0.120				
SRT0610-146R220C10	120	Ct10	146	150	220	±0.20	0.21	0.160	~0.050			
SRT0610-261R335C10	235	Ct10	261	265	335	±0.36	0.21	0.240				

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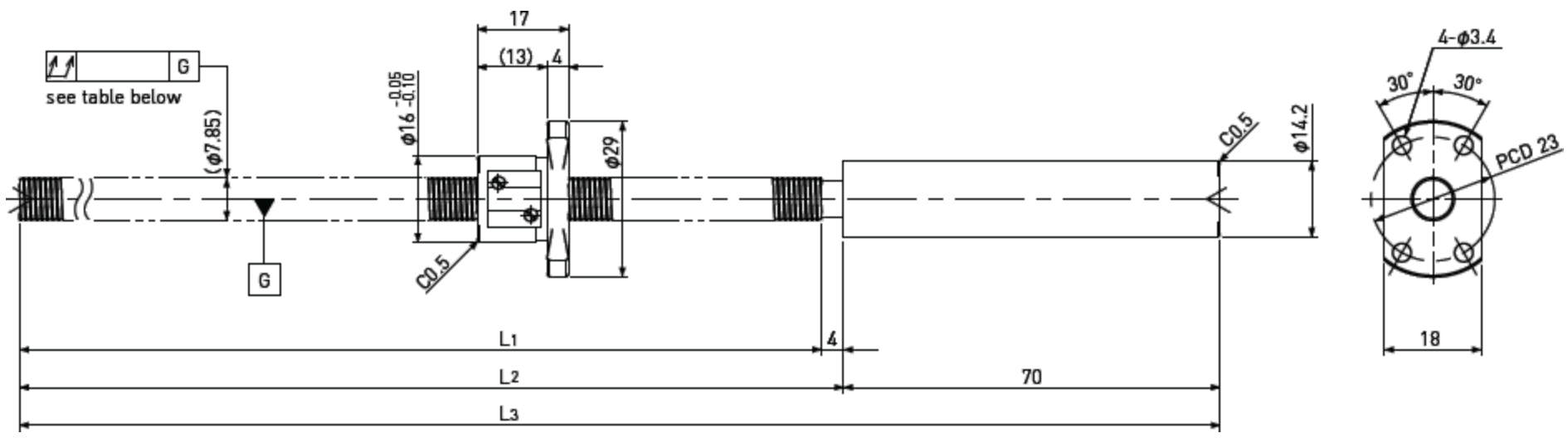
Standard products in stock SRT series

SRT0801 | Shaft dia. ø8 | Lead 1mm | Ct7&Ct10

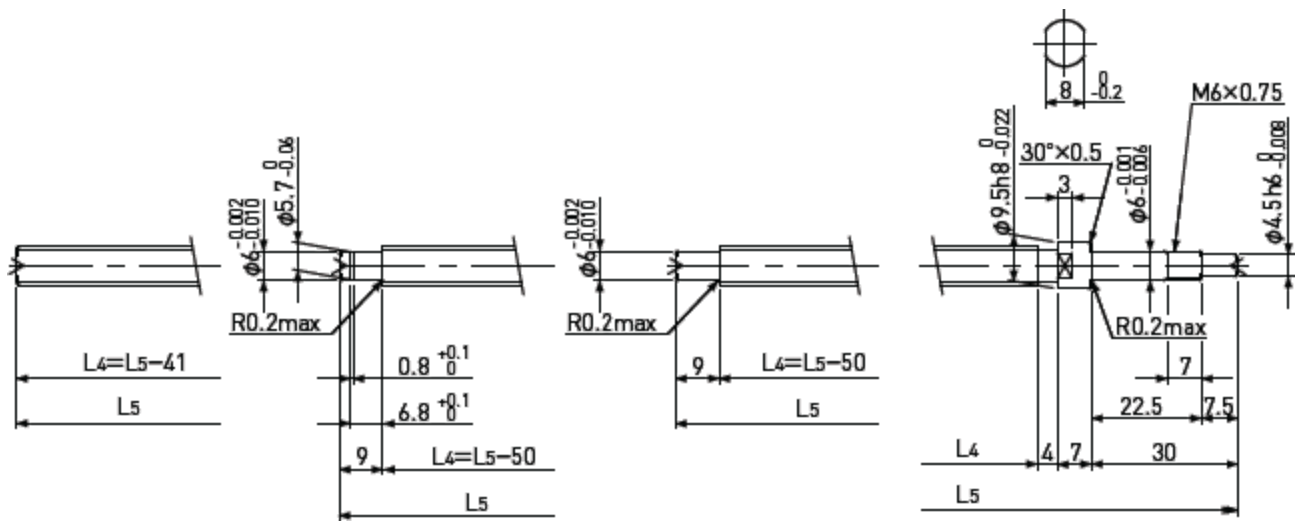


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø7.3
Number of circuit		3.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0801-196R270C7	175	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	780	1650
SRT0801-356R430C7	335	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0801-196R270C10	175	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0801-356R430C10	335	Ct10	356	360	430	±0.49	0.21	0.240				

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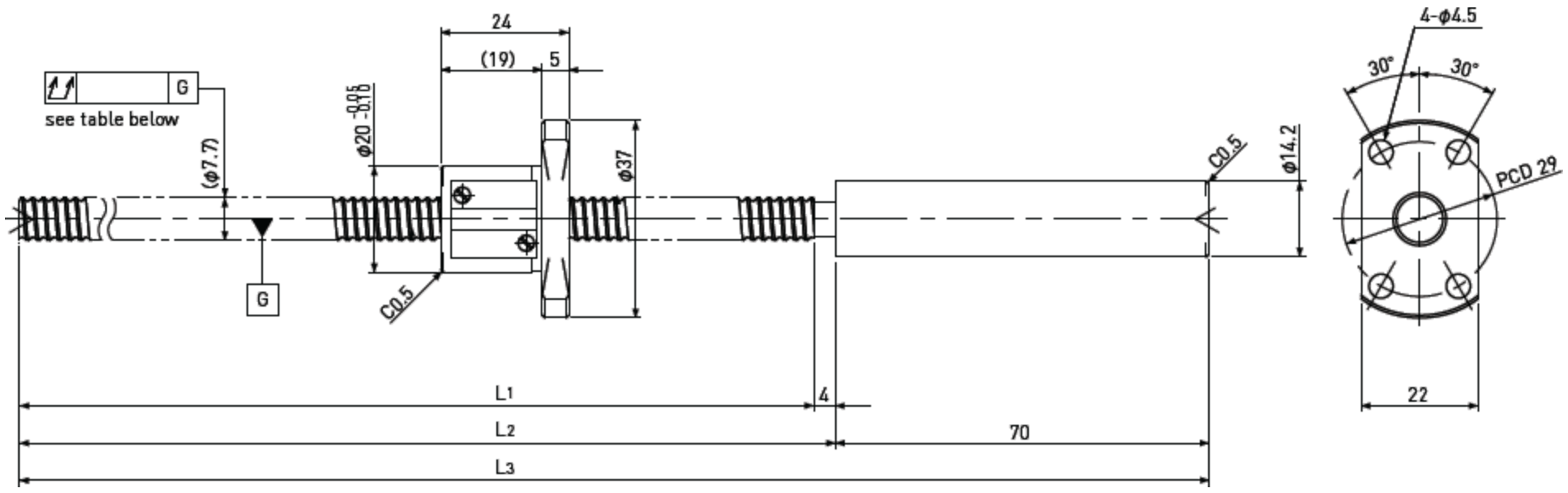
Standard products in stock SRT series

SRT0802 | Shaft dia. ø8 | Lead 2mm | Ct7&Ct10

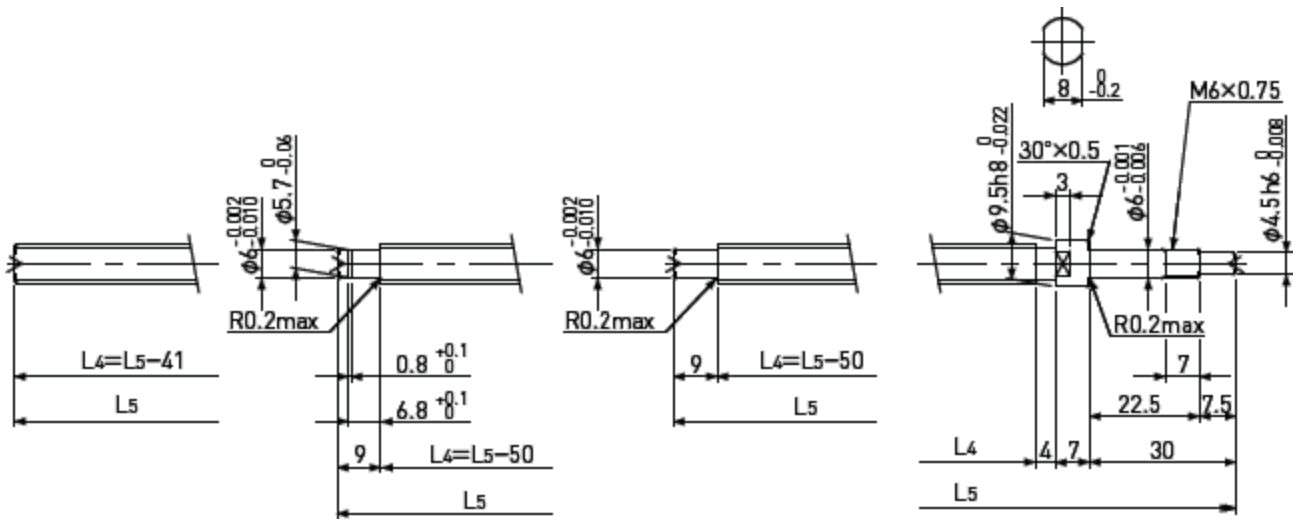


Unit : mm

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
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

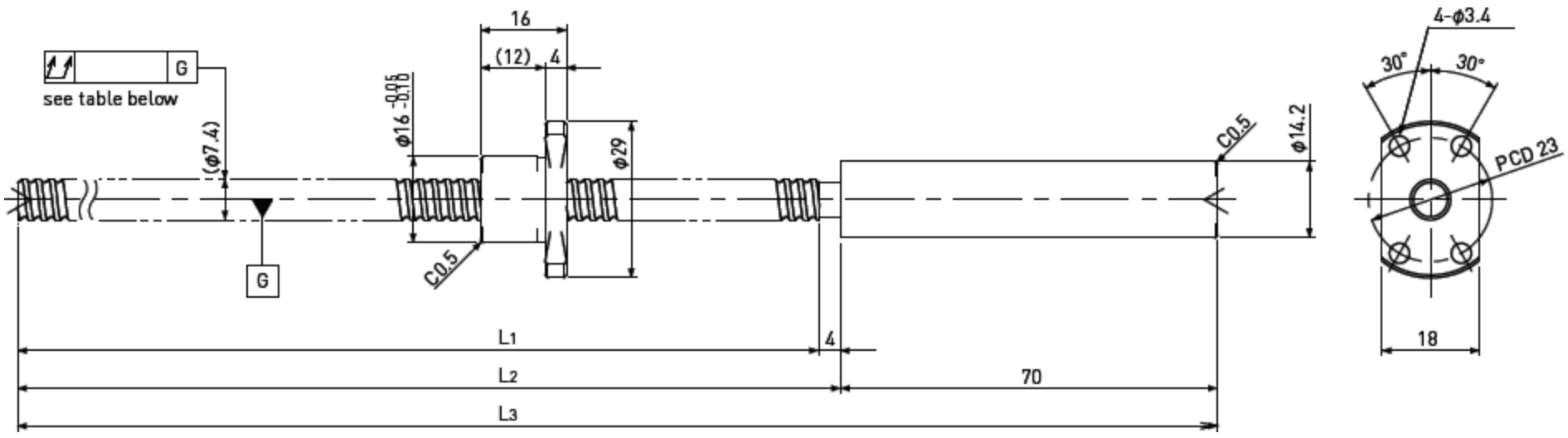
Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0802-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2400	4100
SRT0802-356R430C7	330	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0802-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0802-356R430C10	330	Ct10	356	360	430	±0.49	0.21	0.240				

Standard products in stock SRT series

SRT0802.5	Shaft dia. ø8	Lead 2.5mm	Ct7&Ct10

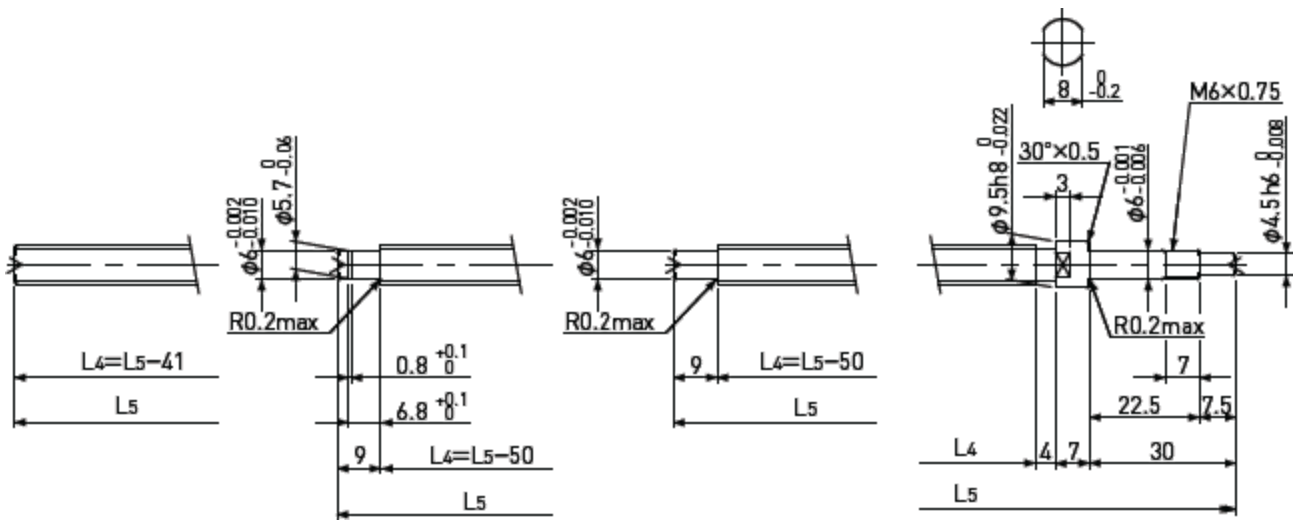


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø6.3
Number of circuit		2.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0802.5-196R270C7	180	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	1850	3000
SRT0802.5-356R430C7	340	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0802.5-196R270C10	180	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0802.5-356R430C10	340	Ct10	356	360	430	±0.49	0.21	0.240				

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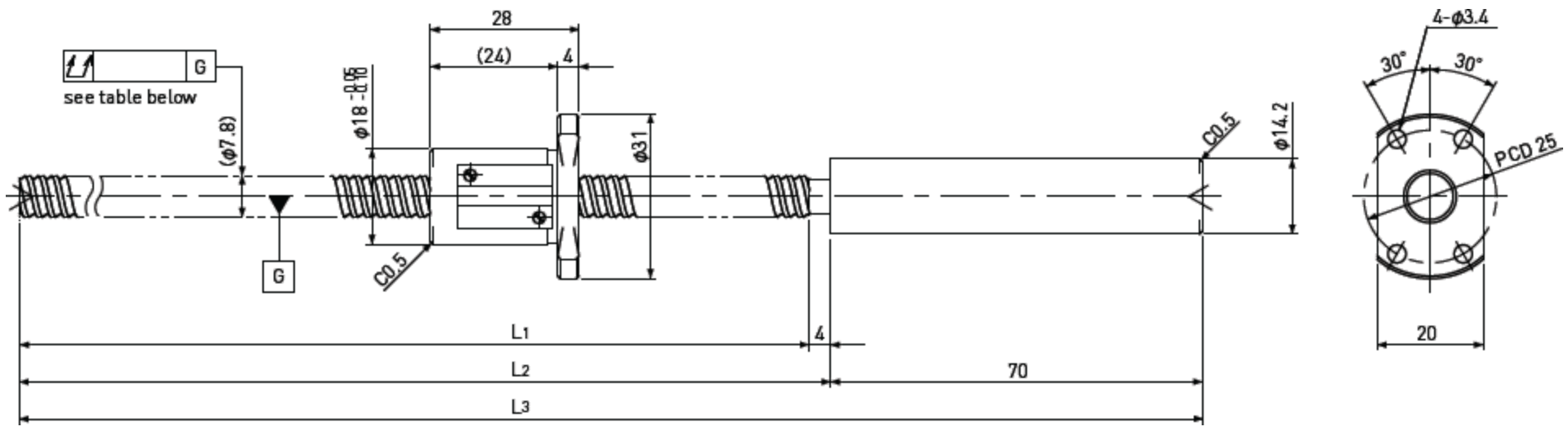
Standard products in stock SRT series

SRT0805 | Shaft dia. ø8 | Lead 5mm | Ct7&Ct10

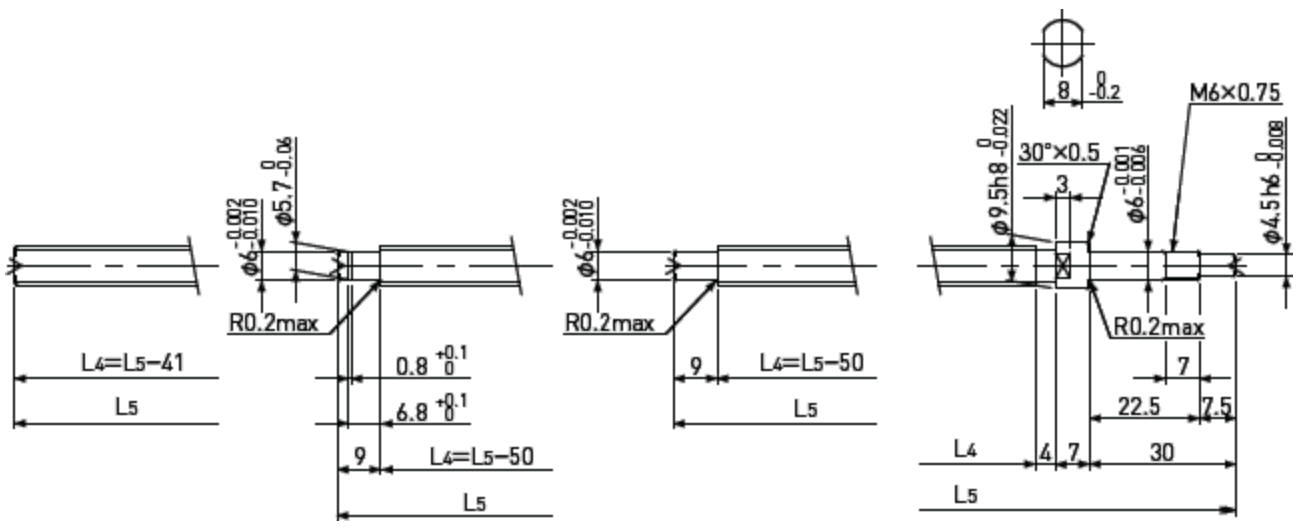


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø6.6
Number of circuit		2.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0805-196R270C7	165	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	1850	3000
SRT0805-356R430C7	325	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0805-196R270C10	165	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0805-356R430C10	325	Ct10	356	360	430	±0.49	0.21	0.240				

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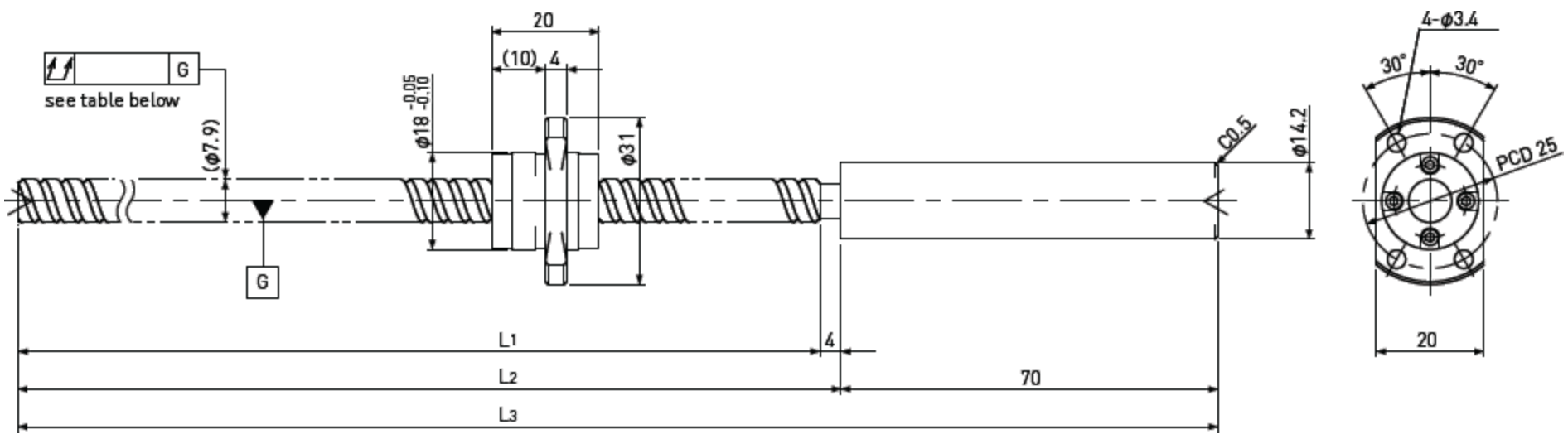
Standard products in stock SRT series

SRT0808 | Shaft dia. Ø8 | Lead 8mm | Ct7&Ct10

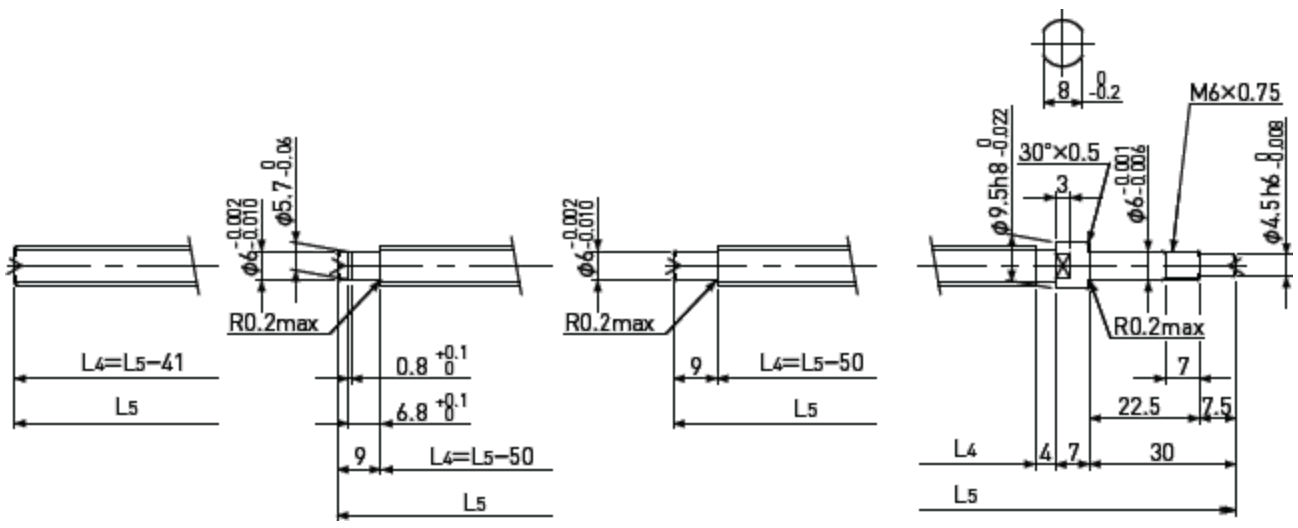


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		2
Thread direction		Right
Shaft root dia.		ø6.7
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0808-196R270C7	175	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2200	3800
SRT0808-356R430C7	335	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0808-196R270C10	175	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0808-356R430C10	335	Ct10	356	360	430	±0.49	0.21	0.240				

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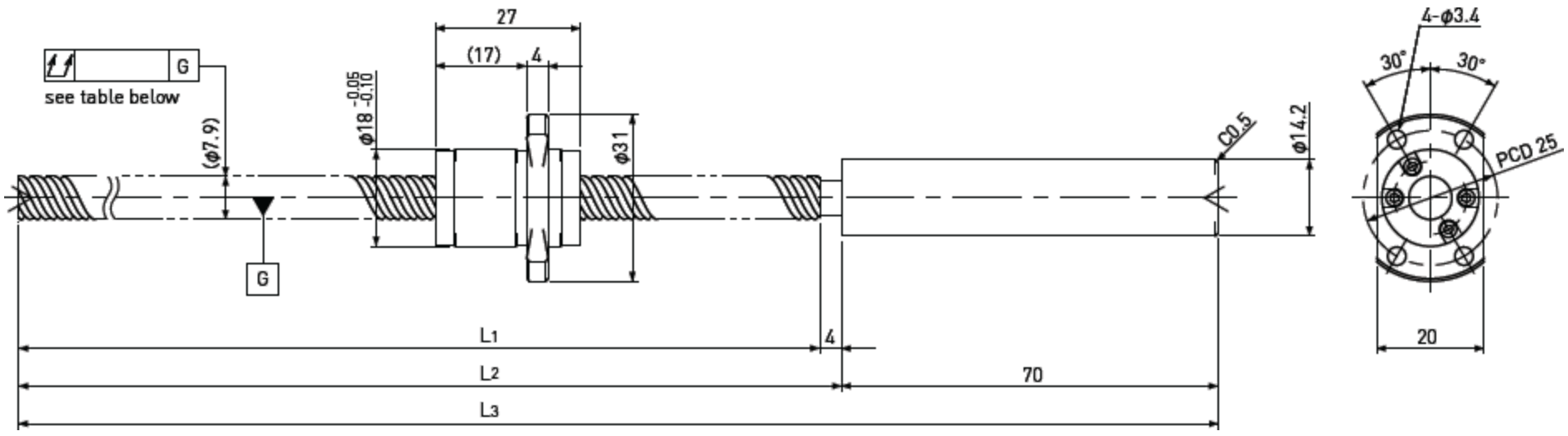
Standard products in stock SRT series

SRT0812 | Shaft dia. ø8 | Lead 12mm | Ct7&Ct10

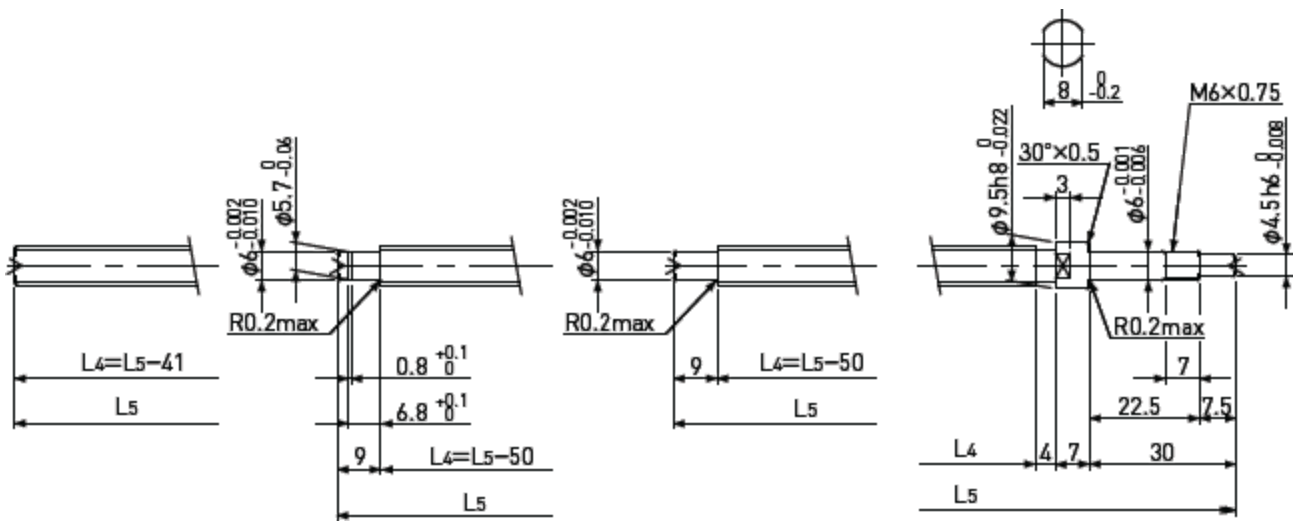


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		2
Thread direction		Right
Shaft root dia.		ø6.7
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF6
	Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT0812-196R270C7	165	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2200	4000
SRT0812-356R430C7	325	Ct7	356	360	430	±0.12	0.05	0.120				
SRT0812-196R270C10	165	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT0812-356R430C10	325	Ct10	356	360	430	±0.49	0.21	0.240				

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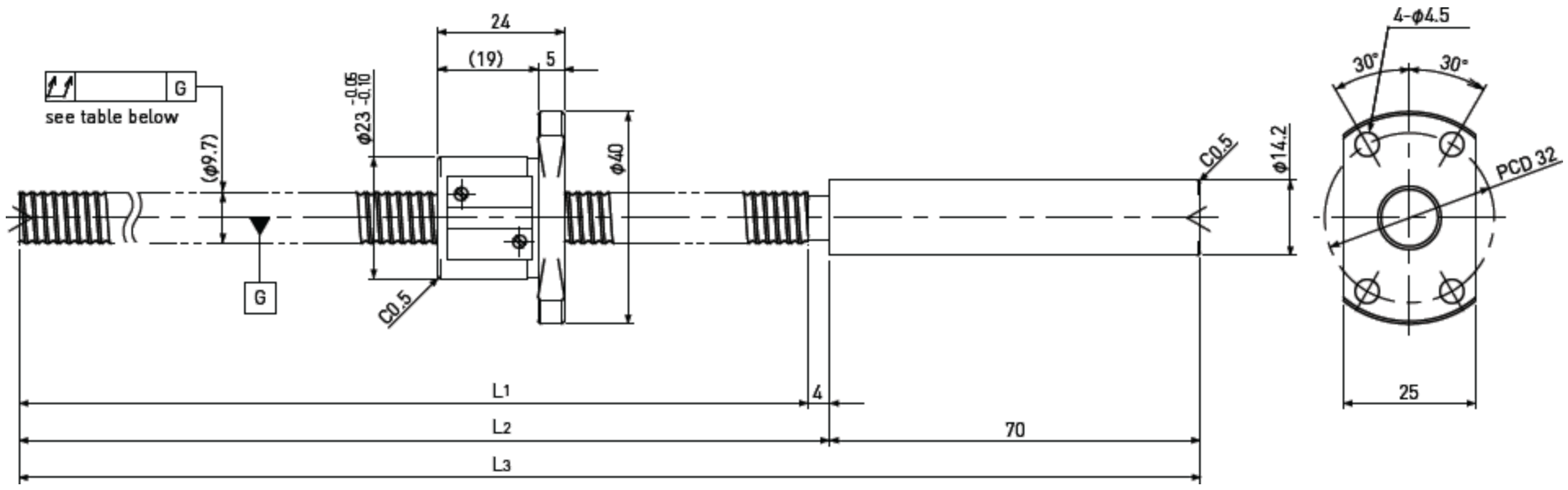
Standard products in stock SRT series

SRT1002 | Shaft dia. ø10 | Lead 2mm | Ct7&Ct10

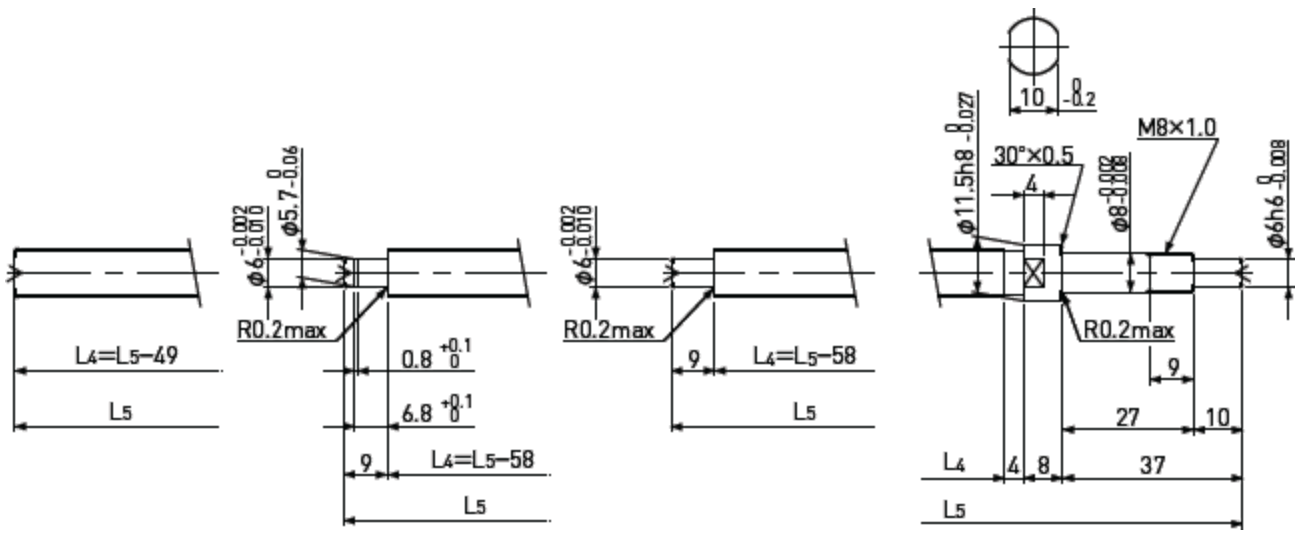


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø8.6
Number of circuit		3.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF8
	Fixed-side:	EK8

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT1002-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2700	5300
SRT1002-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.120				
SRT1002-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1002-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.240				

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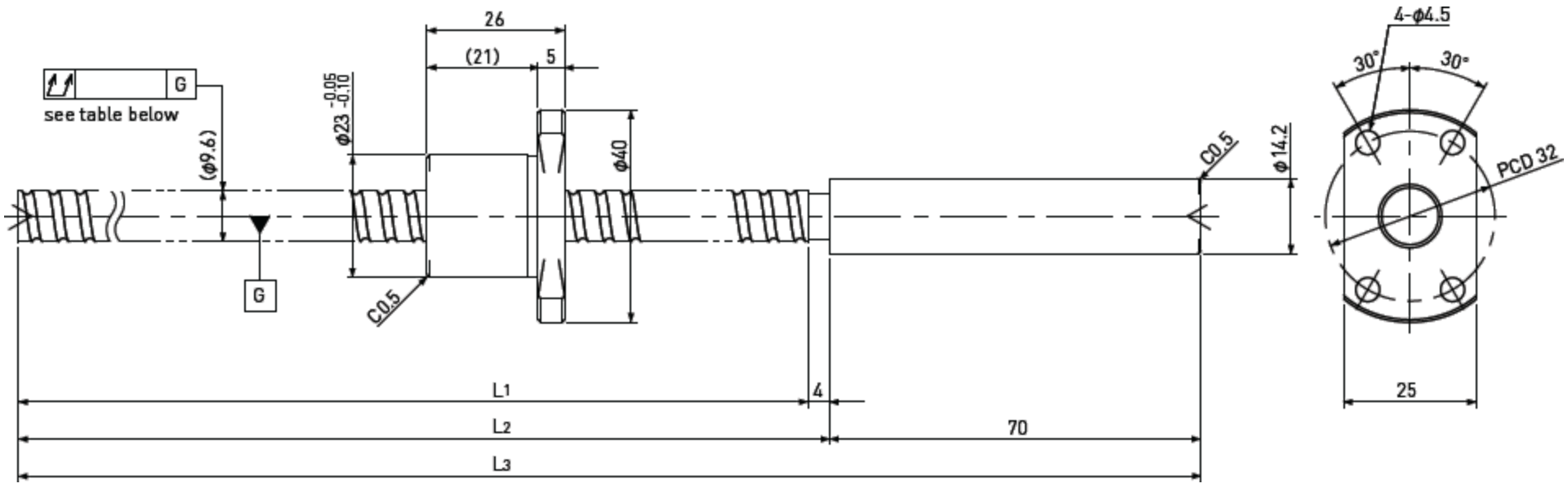
Standard products in stock SRT series

SRT1005 | Shaft dia. ø10 | Lead 5mm | Ct7&Ct10

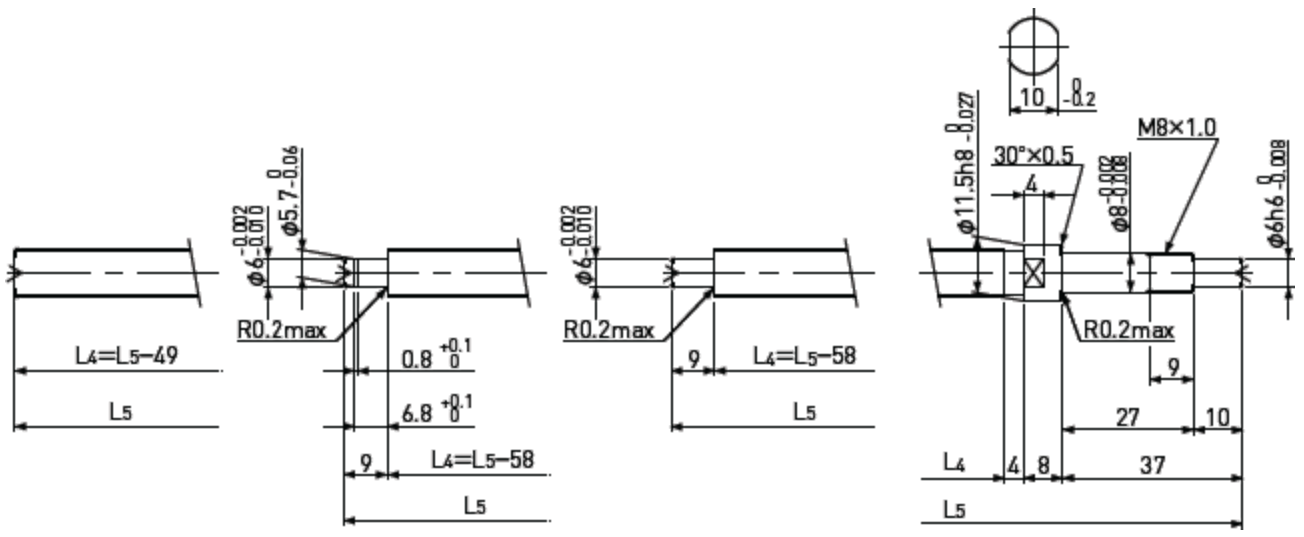


Unit : mm

Ball Screw Specifications		
Ball size		ø2.0
Number of thread		1
Thread direction		Right
Shaft root dia.		ø8.2
Number of circuit		2.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Support-unit Recommendation	Supported-side: EF8 / Fixed-side: EK8

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length L_1	Shaft length L_2	Shaft length L_3	Lead accuracy: Travel deviation e_P	Lead accuracy: Variation V_{300}	Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N: Dynamic Ca	Basic Load Rating N: Static Coa
SRT1005-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	3000	5200
SRT1005-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.120				
SRT1005-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1005-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.240				

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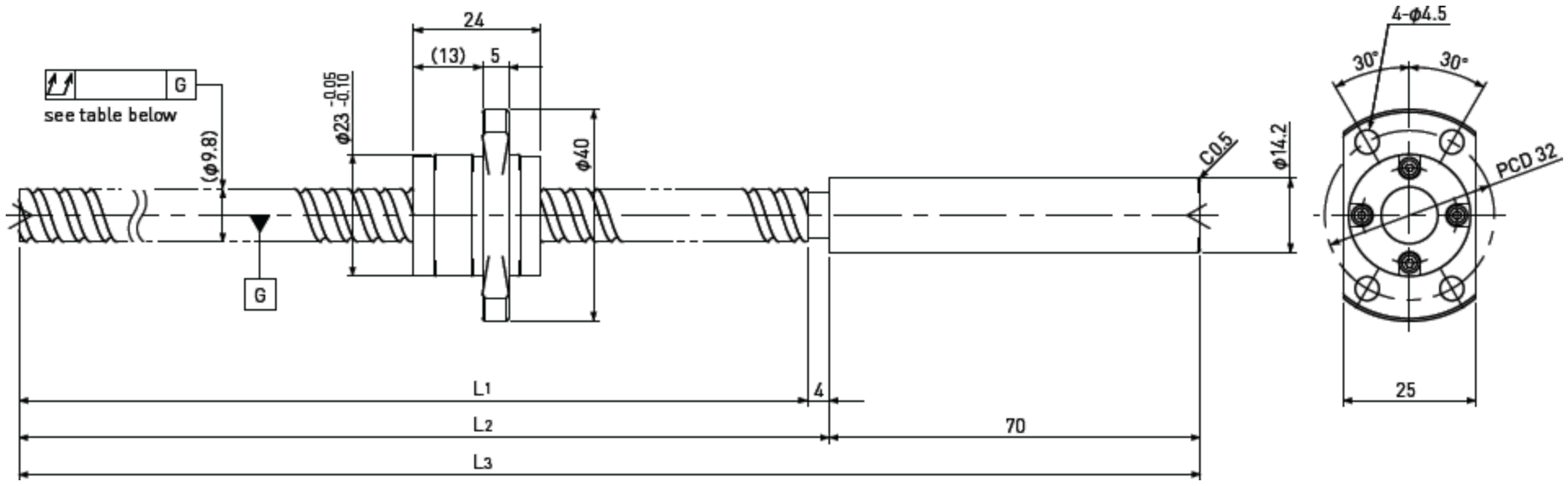
Standard products in stock SRT series

SRT1010 | Shaft dia. ø10 | Lead 10mm | Ct7&Ct10

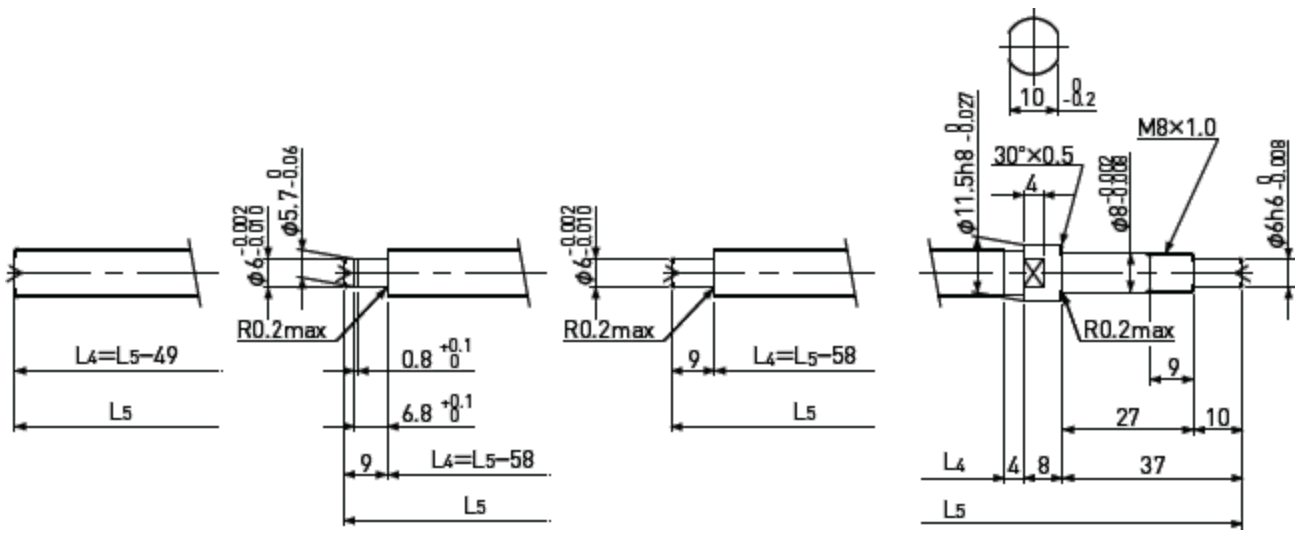


Unit : mm

Ball Screw Specifications		
Ball size		ø2.0
Number of thread		2
Thread direction		Right
Shaft root dia.		ø8.4
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Support-unit Recommendation	Supported-side: EF8 / Fixed-side: EK8

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length L_1	Shaft length L_2	Shaft length L_3	Lead accuracy: Travel deviation e_P	Lead accuracy: Variation V_{300}	Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N: Dynamic Ca	Basic Load Rating N: Static Coa
SRT1010-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	3300	5900
SRT1010-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.120				
SRT1010-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1010-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.240				

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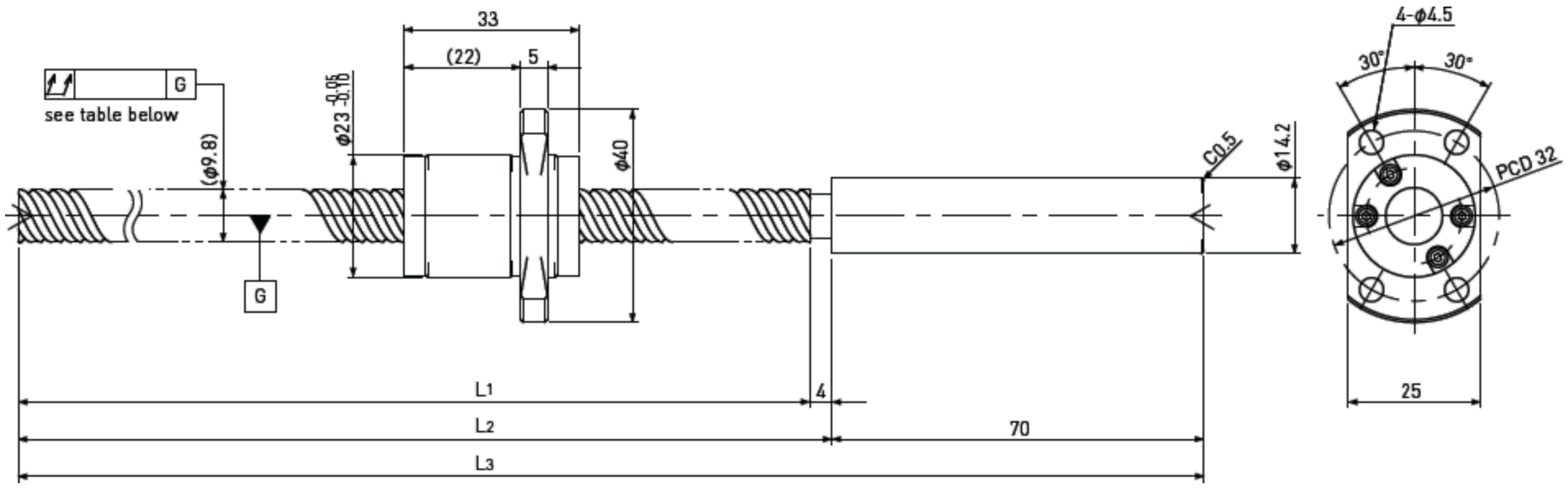
Standard products in stock SRT series

SRT1015 | Shaft dia. ø10 | Lead 15mm | Ct7&Ct10

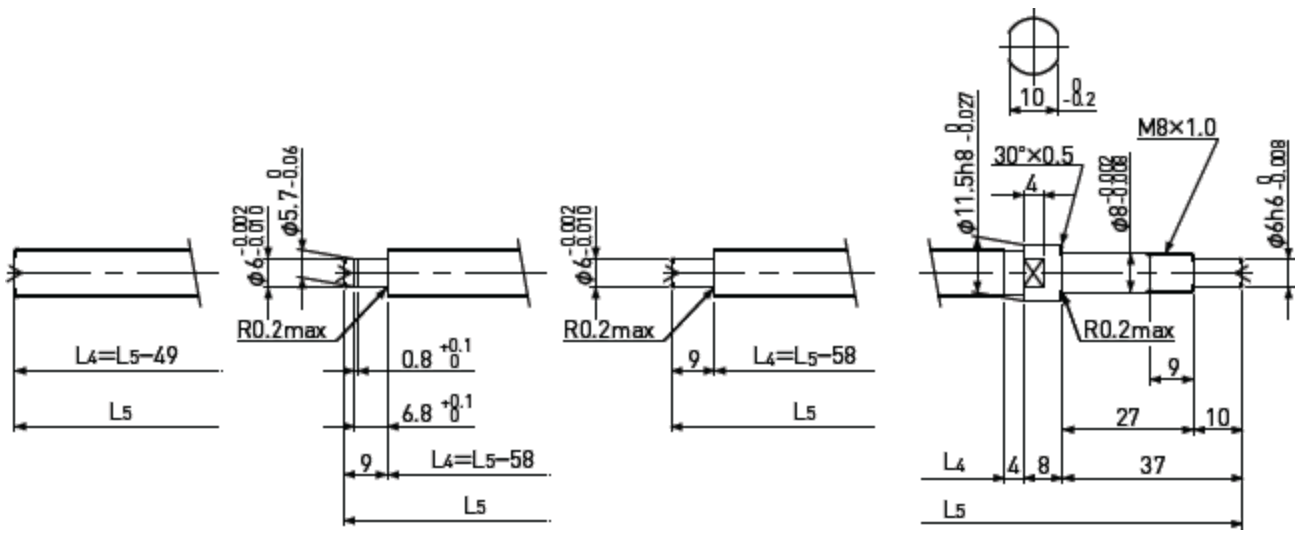


Unit : mm

Ball Screw Specifications		
Ball size		ø2.0
Number of thread		2
Thread direction		Right
Shaft root dia.		ø8.4
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Support-unit Recommendation	Supported-side: EF8 / Fixed-side: EK8

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length L_1	Shaft length L_2	Shaft length L_3	Lead accuracy: Travel deviation e_P	Lead accuracy: Variation V_{300}	Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N: Dynamic Ca	Basic Load Rating N: Static Coa
SRT1015-196R270C7	160	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	3300	6400
SRT1015-396R470C7	360	Ct7	396	400	470	±0.13	0.05	0.120				
SRT1015-196R270C10	160	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1015-396R470C10	360	Ct10	396	400	470	±0.55	0.21	0.240				

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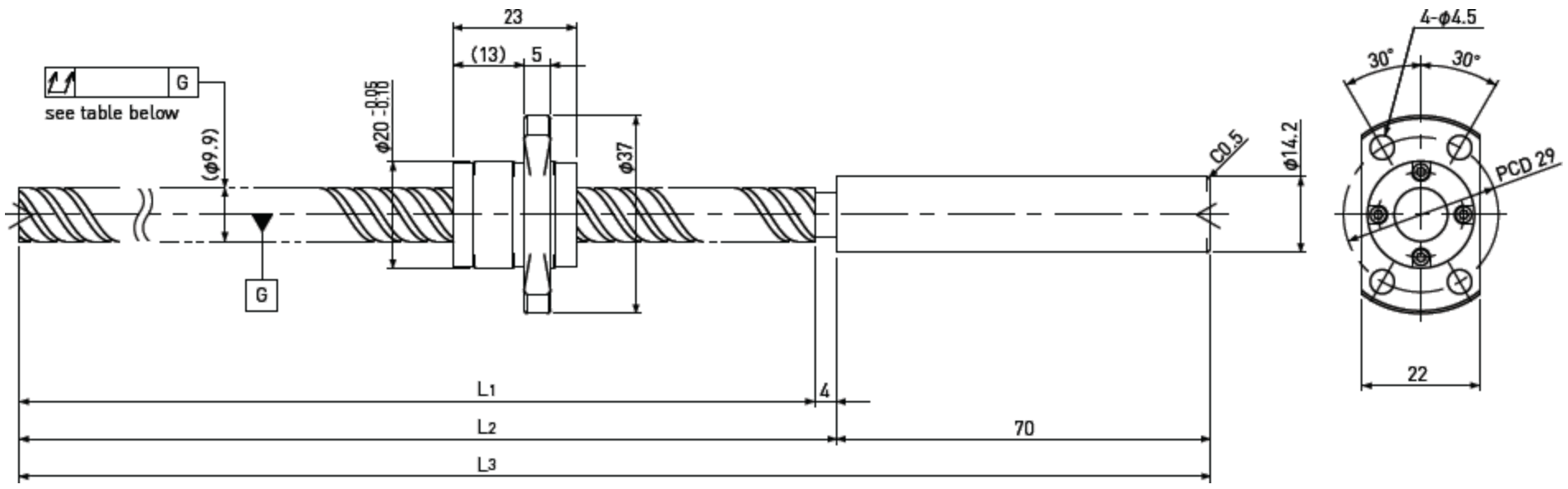
Standard products in stock SRT series

SRT1020 | Shaft dia. ø10 | Lead 20mm | Ct7&Ct10

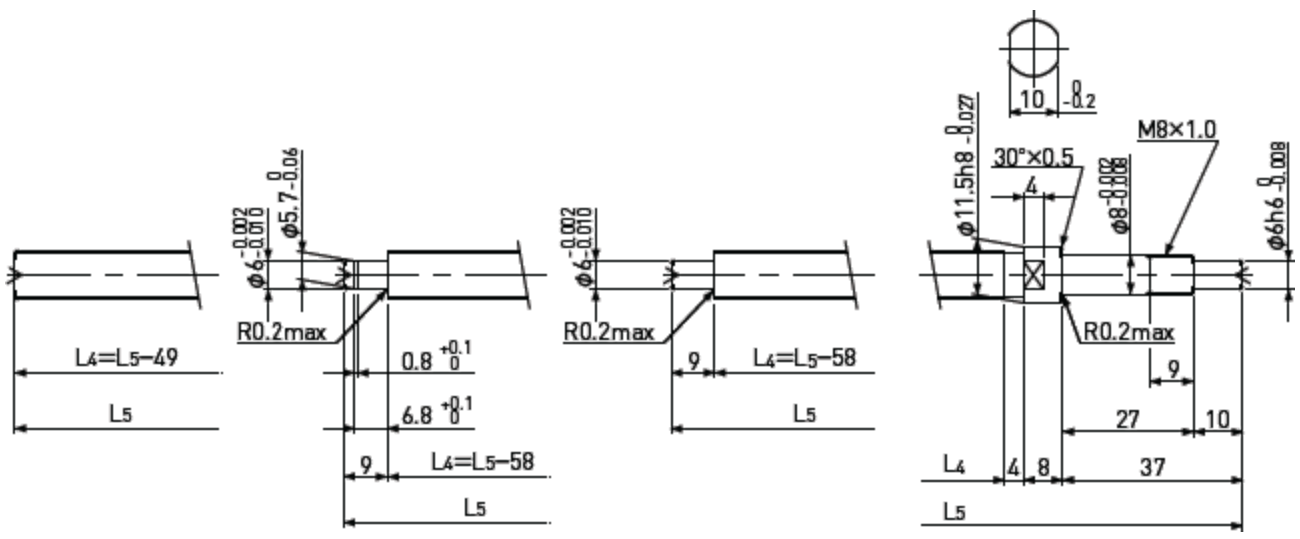


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		4
Thread direction		Right
Shaft root dia.		ø8.7
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Support-unit Recommendation	Supported-side: EF8 / Fixed-side: EK8

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length L_1	L_2	L_3	Lead accuracy: Travel deviation e_P	Variation V_{300}	Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N: Dynamic Ca	Static Coa
SRT1020-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2100	4000
SRT1020-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.120				
SRT1020-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1020-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.240				

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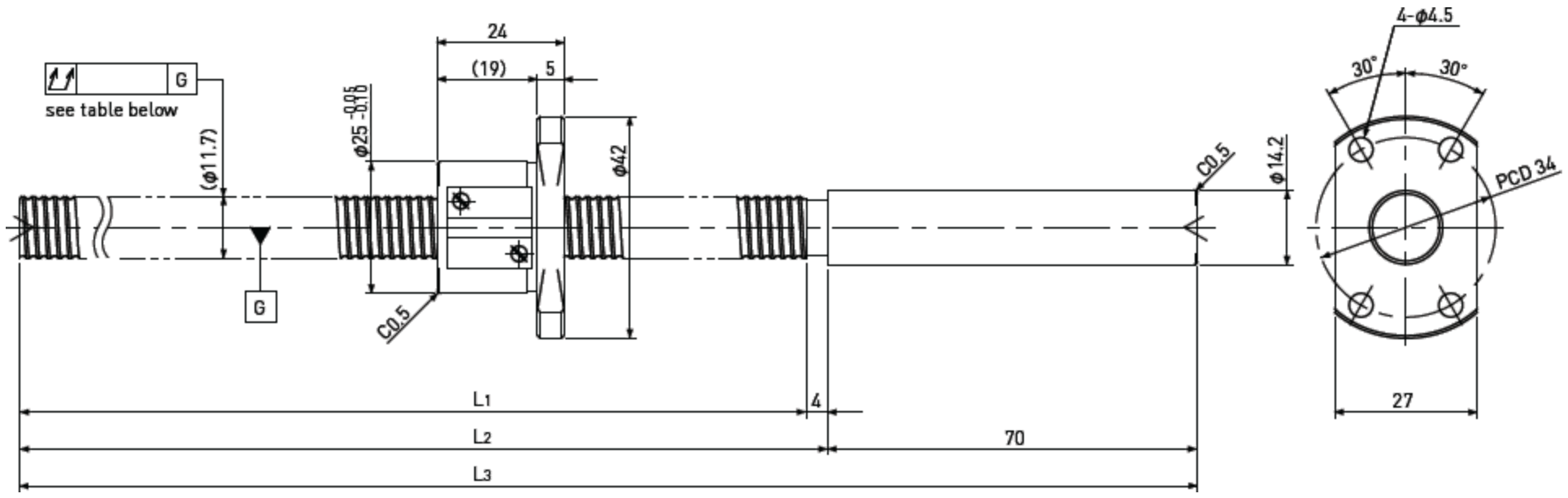
Standard products in stock SRT series

SRT1202 | Shaft dia. ø12 | Lead 2mm | Ct7&Ct10

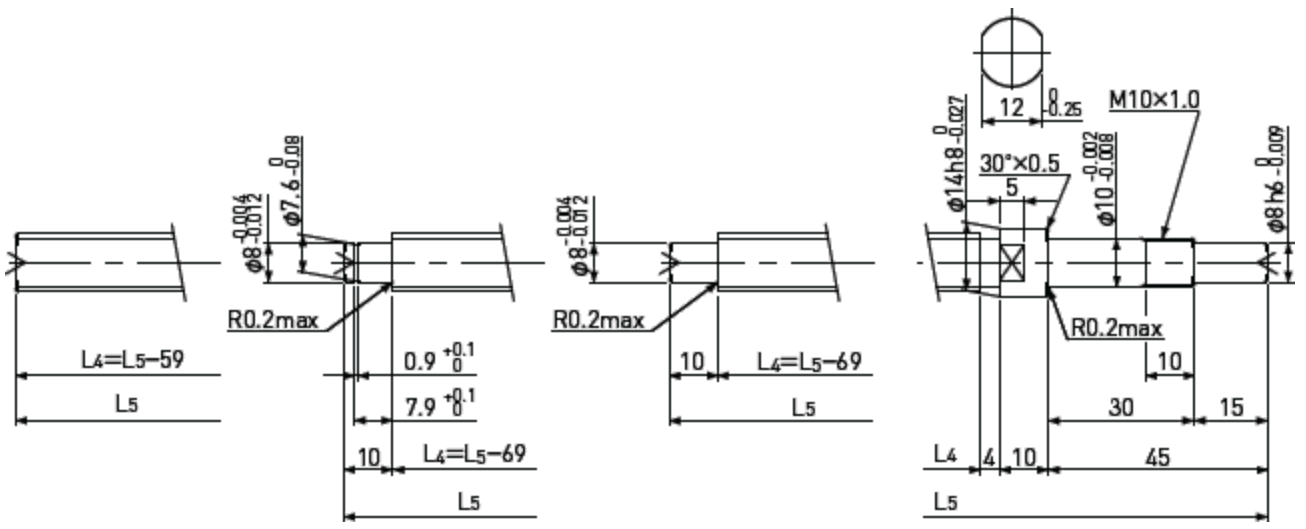


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø10.6
Number of circuit		3.7×1
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF10
	Fixed-side:	EK10

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT1202-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	3000	6400
SRT1202-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.080				
SRT1202-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1202-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.160				

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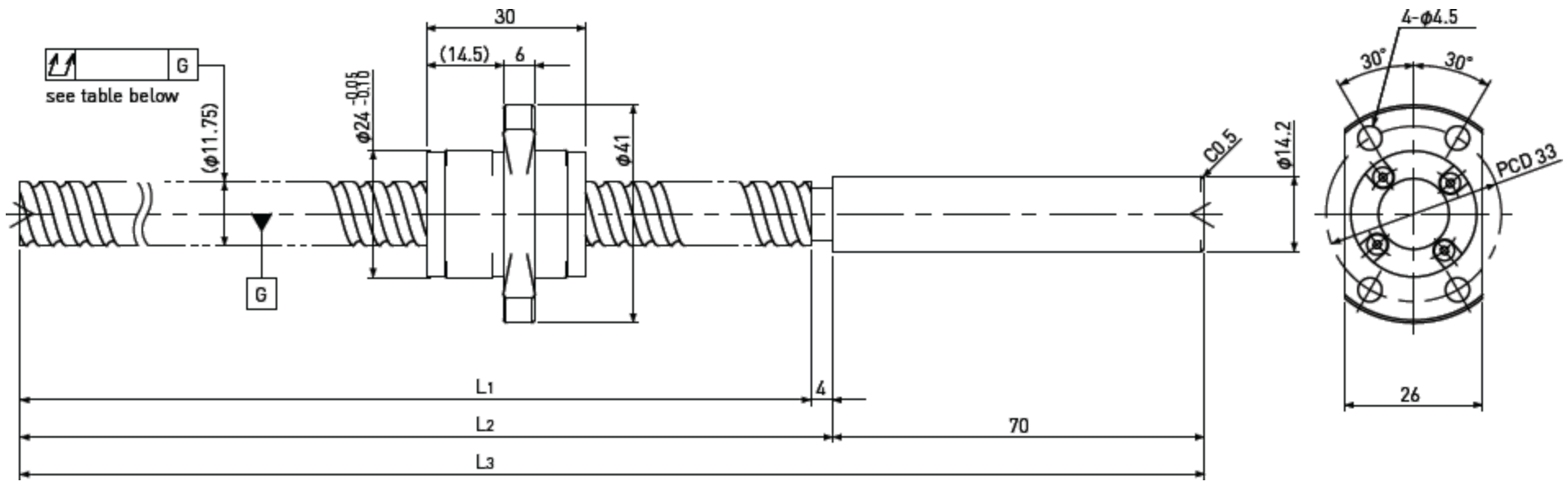
Standard products in stock SRT series

SRT1210 | Shaft dia. ø12 | Lead 10mm | Ct7&Ct10

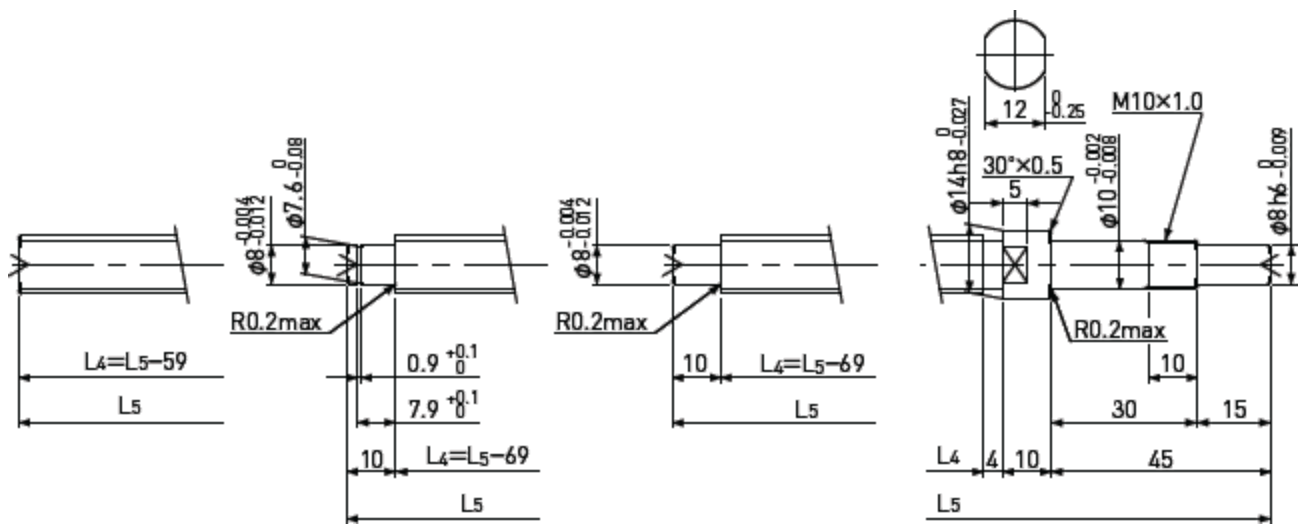


Unit : mm

Ball Screw Specifications		
Ball size		ø2.381
Number of thread		2
Thread direction		Right
Shaft root dia.		ø10.2
Number of circuit		1.7×2
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
	Supported-side:	EF10
	Fixed-side:	EK10

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SRT1210-196R270C7	165	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	5100	9800
SRT1210-396R470C7	365	Ct7	396	400	470	±0.13	0.05	0.080				
SRT1210-196R270C10	165	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SRT1210-396R470C10	365	Ct10	396	400	470	±0.55	0.21	0.160				

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Standard products in stock SRT series

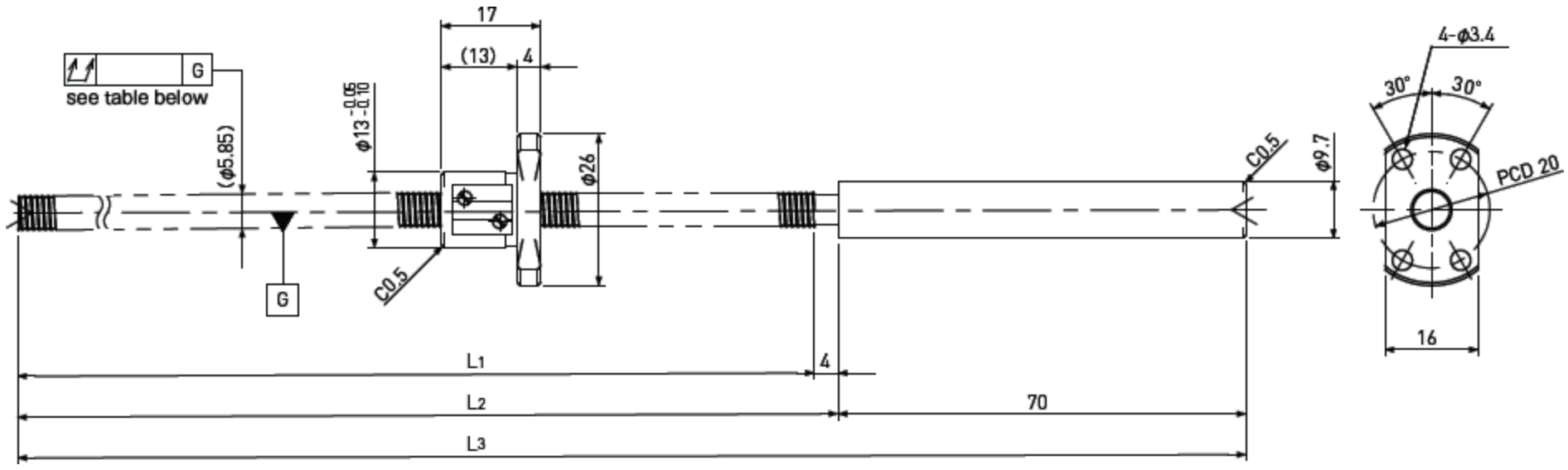
SSRT0601

Stainless

Shaft dia. ø6

Lead 1mm

Ct7&Ct10

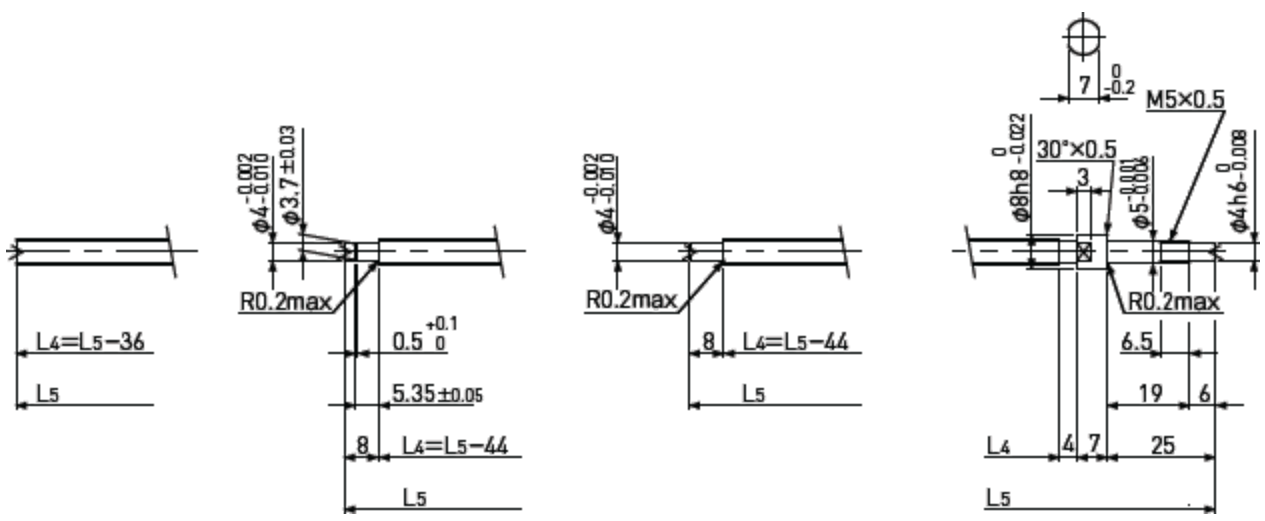


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø5.3
Number of circuit		3.7×1
Material	Shaft	SUS440C+SUS303
	Nut	SUS440C
Surface hardness		HRC55~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
Supported-side:	SUP04-S	
Fixed-side:	EK5	

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SSRT0601-146R220C7	125	Ct7	146	150	220	±0.05	0.05	0.080	~0.020	-	560	900
SSRT0601-261R335C7	240	Ct7	261	265	335	±0.09	0.05	0.120				
SSRT0601-146R220C10	125	Ct10	146	150	220	±0.20	0.21	0.160	~0.050			
SSRT0601-261R335C10	240	Ct10	261	265	335	±0.36	0.21	0.240				

Standard products in stock SRT series

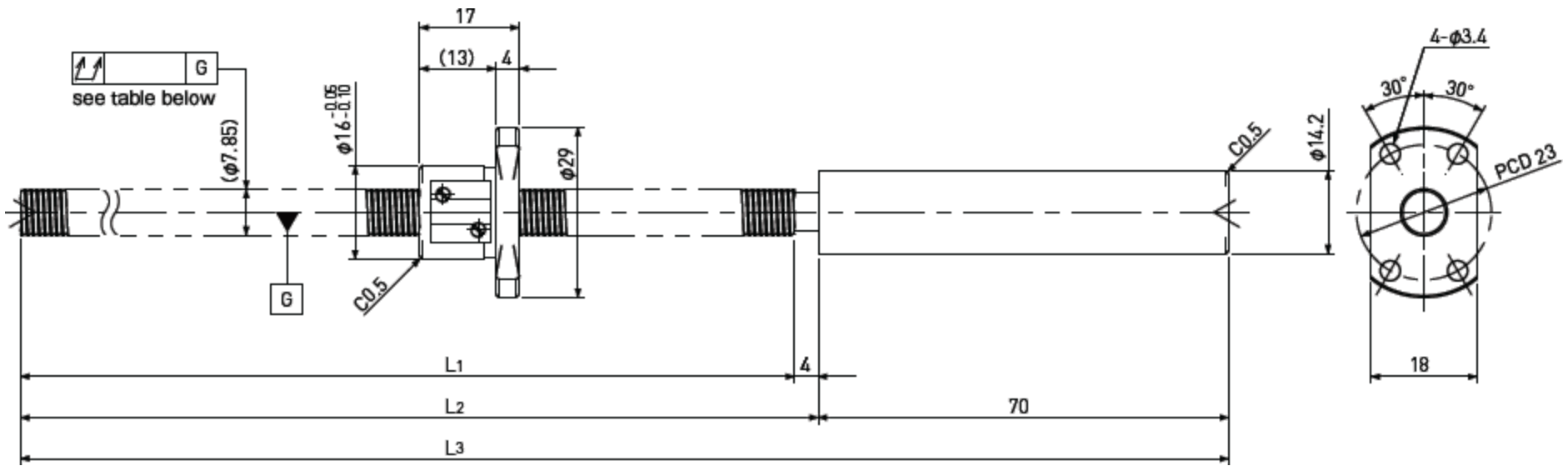
SSRT0801

Stainless

Shaft dia. ø8

Lead 1mm

Ct7&Ct10

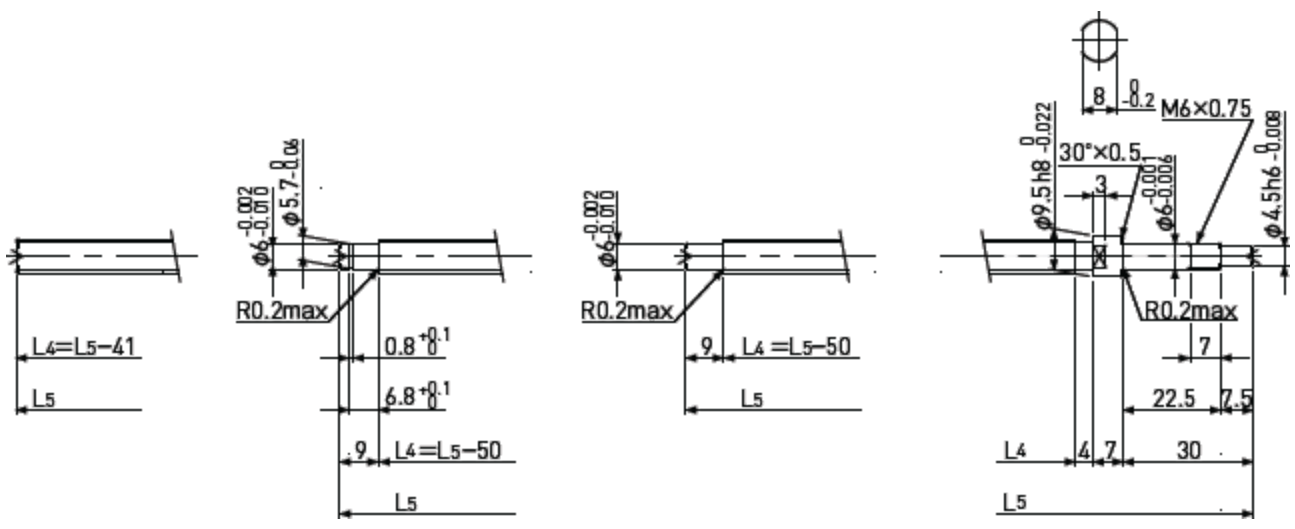


Unit : mm

Ball Screw Specifications		
Ball size		ø0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		ø7.3
Number of circuit		3.7×1
Material	Shaft	SUS440C+SUS303
	Nut	SUS440C
Surface hardness		HRC55~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation		
Supported-side:	EF6	
Fixed-side:	EK6	

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SSRT0801-196R270C7	175	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	630	1250
SSRT0801-356R430C7	335	Ct7	356	360	430	±0.12	0.05	0.120				
SSRT0801-196R270C10	175	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SSRT0801-356R430C10	335	Ct10	356	360	430	±0.49	0.21	0.240				

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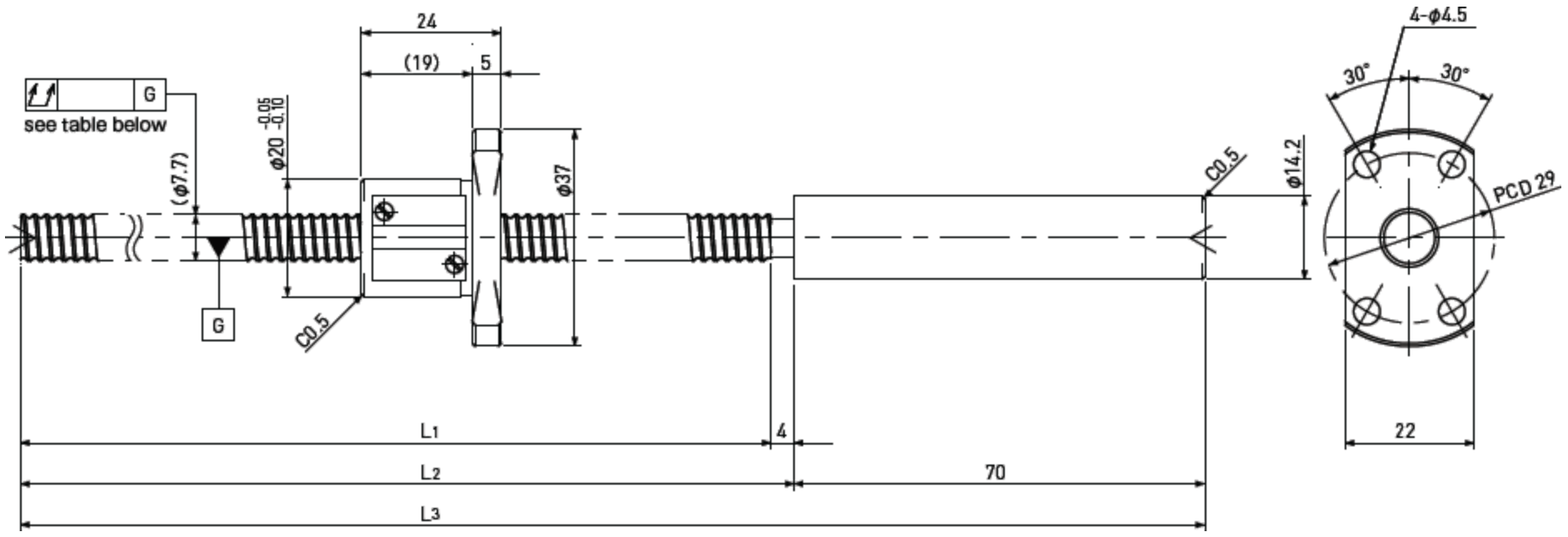
Standard products in stock SRT series

SSRT0802	Stainless Shaft dia. ø8	Lead 2mm	**Ct7&Ct10**

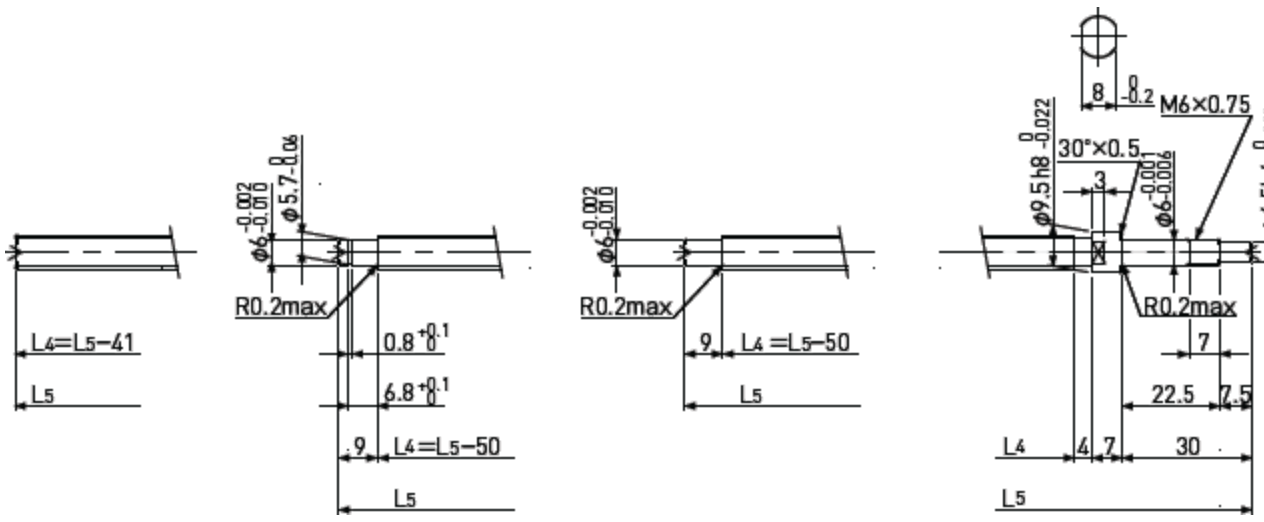


Unit : mm

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
Material	Shaft	SUS440C+SUS303
	Nut	SUS440C
Surface hardness		HRC55~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Supported-side	Fixed-side
Supported-side:	EF6
Fixed-side:	EK6

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SSRT0802-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	1950	3100
SSRT0802-356R430C7	330	Ct7	356	360	430	±0.12	0.05	0.120				
SSRT0802-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SSRT0802-356R430C10	330	Ct10	356	360	430	±0.49	0.21	0.240				

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Standard products in stock SRT series

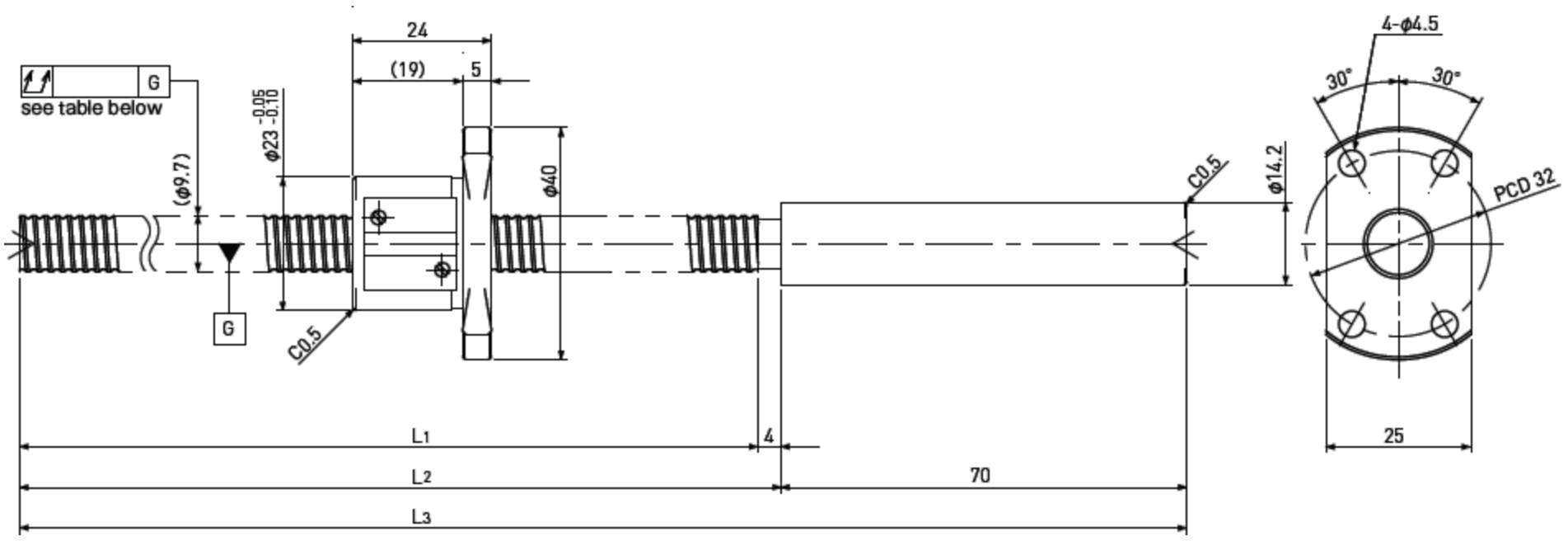
SSRT1002

Stainless

Shaft dia. ø10

Lead 2mm

Ct7&Ct10

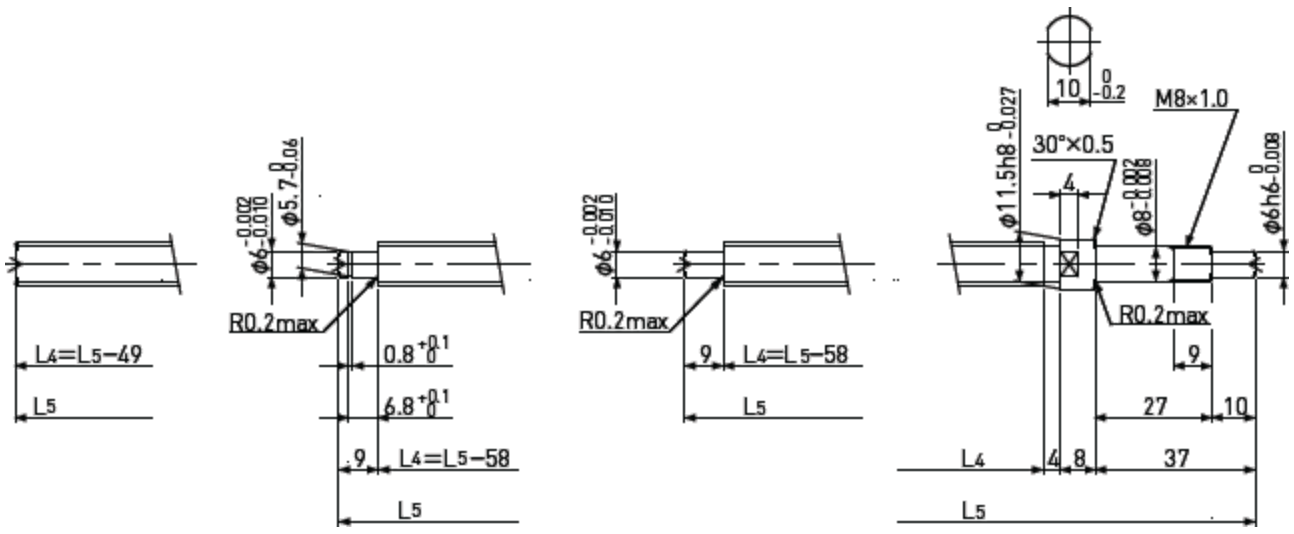


Unit : mm

Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø8.6
Number of circuit		3.7×1
Material	Shaft	SUS440C+SUS303
	Nut	SUS440C
Surface hardness		HRC55~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



L_4: Thread length after end-journal machining.
L_5: Total length after end-journal machining.

Support-unit Recommendation	
Supported-side:	EF8
Fixed-side:	EK8

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	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
SSRT1002-196R270C7	170	Ct7	196	200	270	±0.06	0.05	0.080	~0.020	-	2200	4000
SSRT1002-396R470C7	370	Ct7	396	400	470	±0.13	0.05	0.120				
SSRT1002-196R270C10	170	Ct10	196	200	270	±0.27	0.21	0.160	~0.050			
SSRT1002-396R470C10	370	Ct10	396	400	470	±0.55	0.21	0.240				