

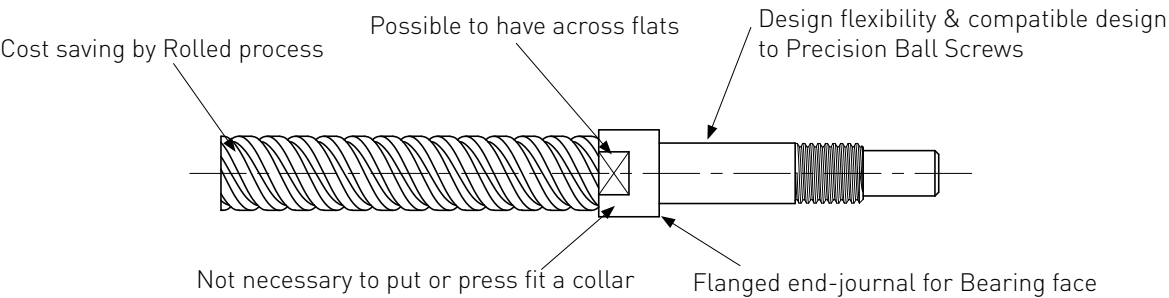
SRT/SSRT series

Standardized Rolled Ball Screws with Integrated end-journal

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

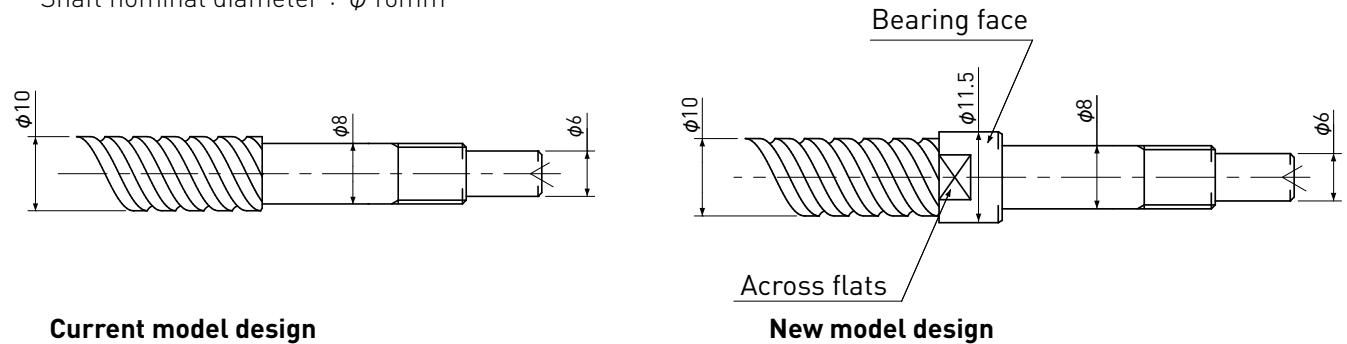
Features

- 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 : $\phi 10$ mm



Combination of Shaft nominal dia. & Lead

Unit : mm

Lead \ Shaft dia.	1	2	2.5	4	5	6	8	10	12	15	20
4	A289 A290	A291									
5				A292							
6	A293 A294 A315	A295				A296		A297			
8	A298 A299 A316	A300 A301 A317	A302		A303		A304		A305		
10		A306 A307 A318			A308			A309		A310	A311
12		A312 A313						A314			

Note 1) Yellow cells are available for Stainless Shaft and Nut.
Note 2) The numbers in a table : showing a page in this catalogue

Accuracy Grade & Axial play

The grade of SRT/SSRT series (Standardized Rolled & Stainless Rolled Ball Screws with Integrated end-journal) are Ct7 and Ct10(JIS B 1192-3).
According to accuracy grade, Axial play 0.020mm or less (Ct7) and 0.050mm or less(Ct10) are in stock.

Material & Surface hardness

The material and hardness of SRT/SSRT series (Standardized Rolled & Stainless Rolled Ball Screws with Integrated end-journal) are as follows.

Products	Material of thread area	Heat treatment	Surface hardness
Rolled Ball Screws (SRT series)	Shaft : SCM415 S55C	Carburizing and Quenching Induction hardening	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, KSS would recommend our original Grease (MSG No.2) as standard lubricant. Please feel free to contact us.

●Precision Rolled Ball Screws

High accuracy(JIS C5) can be produced by Rolled process, what we call Precision Rolled Ball Screws(PSR/PSRT series).Please see page A319.

●Model number notation

SRT **04** **01** **K** **—** **086** **R** **126** **C7** **B** **1** **X**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

- ①Rolled Ball Screws Series No.
SRT : Rolled Ball Screws with Integrated end-journal
SSRT : Stainless Rolled Ball Screws with Integrated end-journal
- ②Screw Shaft nominal diameter(mm)
- ③Lead(mm)
- ④Ball Nut type
None : Standard
K : Compact type
- ⑤Screw thread length(mm)
(Specify in 1mm unit after end-journal machining)
- ⑥Thread direction(R=Right-hand)
- ⑦Screw Shaft total length(mm)
(Specify in 1mm units)
- ⑧Accuracy grade(C7 or C10)
- ⑨Shaft end-journal profile
Refer to Fig. A-24 below : A-type,B-type,C-type,
D-type(other)
- ⑩Anti-rust oil or Lubricant
0 : KSS grease(MSG No.2)
1 : Anti-rust oil(Non Ruster PZ2)
2 : Multemp PS2 grease
3 : Other
- ⑪Nut Flange direction(Refer to Fig. A-25 below)

Fig. A-24 : Shaft end-journal profile

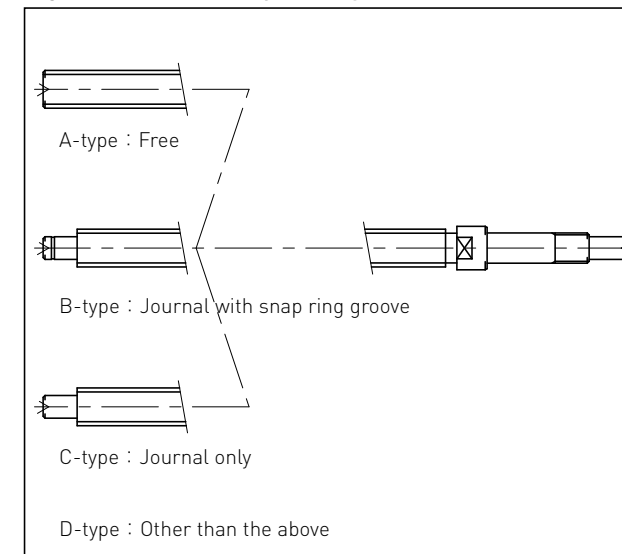
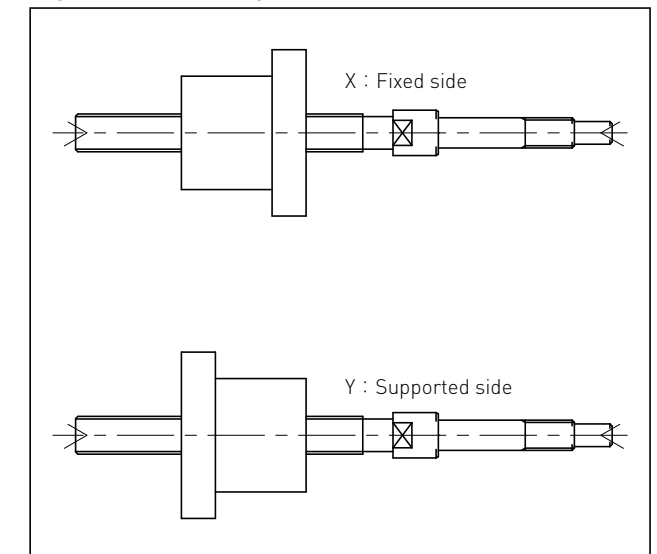


Fig. A-25 : Nut Flange direction



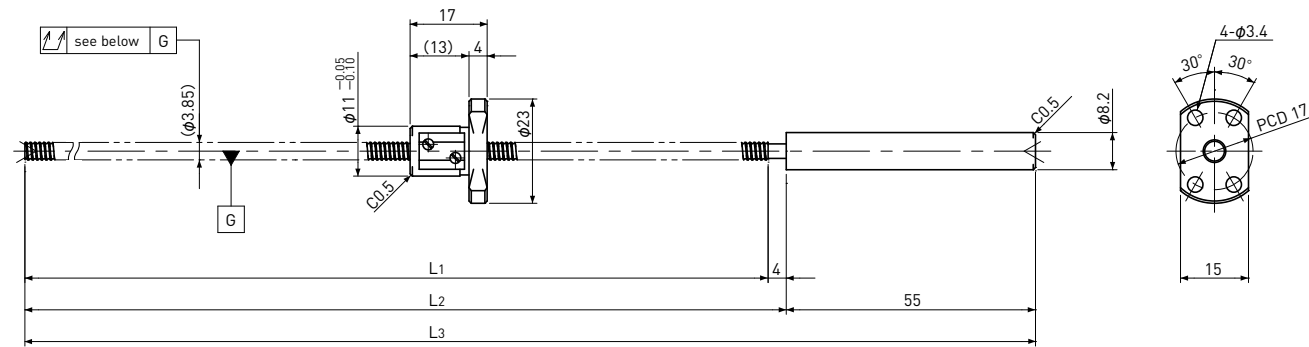
●Note

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

Standard products in stock SRT series

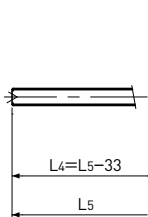
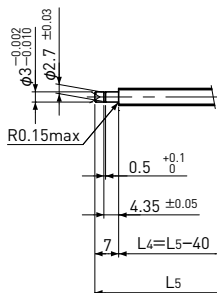
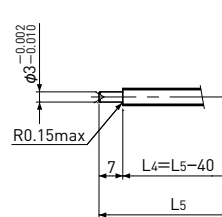
SRT0401 | Shaft dia. $\phi 4$ Lead 1mm

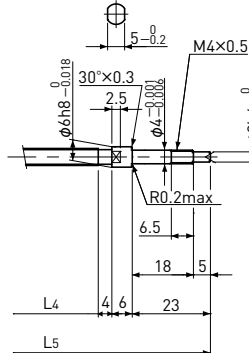
| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		
Ball size		φ0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		φ3.3
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 Supported-side		
A-type	B-type	C-type
		

Fixed-side	
	

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-4CS/4G
	Fixed-side	MSU-4C/4G

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-4CS/4G
	Fixed-side	MSU-4C/4G

D-type : Other than the above.

Unit : mm

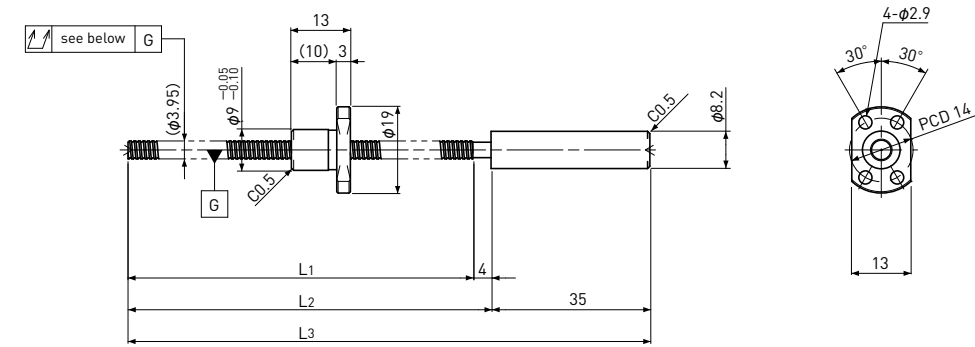
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0401-96R155C7	75	Ct7	96	100	155	±0.02	—	0.080	~0.020	—	560	790
SRT0401-216R275C7	195	Ct7	216	220	275	±0.03	—	0.120				
SRT0401-96R155C10	75	Ct10	96	100	155	±0.06	—	0.160	~0.050			
SRT0401-216R275C10	195	Ct10	216	220	275	±0.15	—	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT0401K | Compact Nut
Shaft dia. $\phi 4$ Lead 1mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side	
Ball size		φ0.6	A-type	B-type	C-type		

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-4CS/4GS
	Fixed-side	MSU-4C/4G

D-type : Other than the above.

Unit : mm

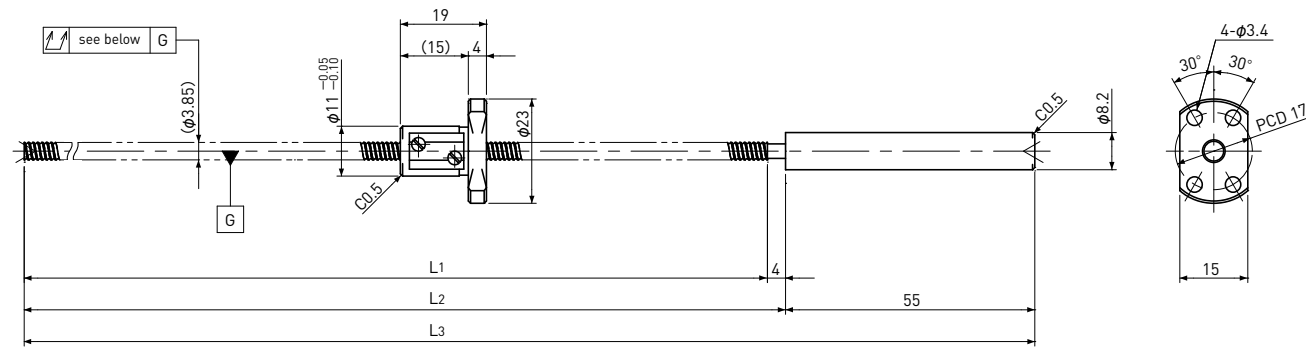
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out	Axial play	Preload Torque Nm	Basic Load Rating N	
			L1	L2	L3	Travel deviation e_p	Variation V_{300}				Dynamic C_a	Static C_oa
SRT0401K-76R115C7	60	Ct7	76	80	115	± 0.02	—	0.080	~0.020	—	300	430
SRT0401K-76R115C10	60	Ct10	76	80	115	± 0.05	—	0.160	~0.050			

Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

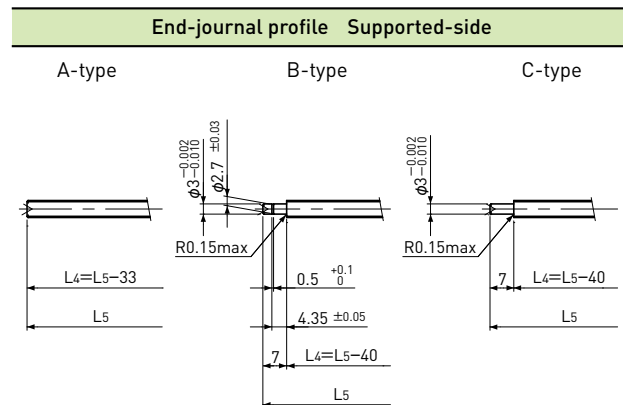
SRT0402 | Shaft dia. $\phi 4$ Lead 2mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		
Ball size	$\phi 0.8$	
Number of thread	1	
Thread direction	Right	
Shaft root dia.	$\phi 3.3$	
Number of circuit	2.7×1	
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness	HRC58~ (Thread area)	
Anti-rust treatment	Anti-rust oil	



L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	
	Supported-side	MSU-4CS/4GS
	Fixed-side	MSU-4C/4G

D-type : Other than the above.

Unit : mm

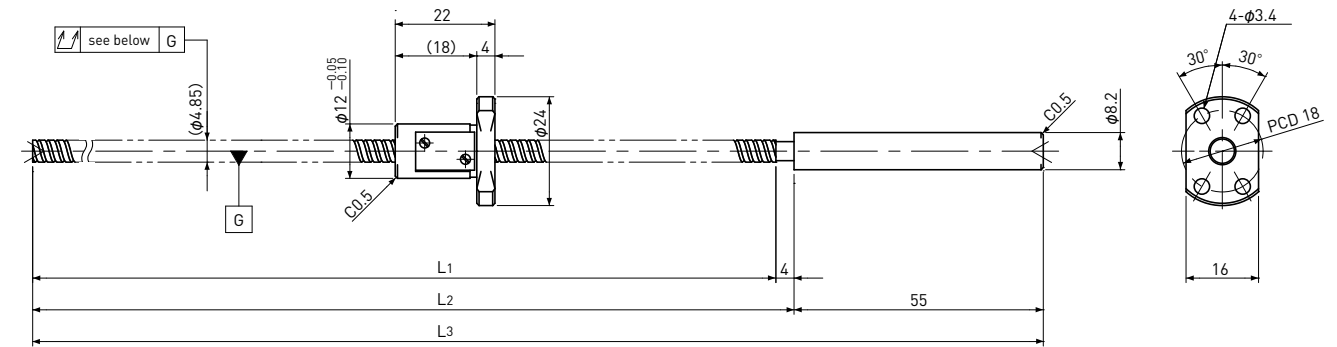
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0402-96R155C7	75	Ct7	96	100	155	±0.02	—	0.080	~0.020	—	420	570
SRT0402-216R275C7	195	Ct7	216	220	275	±0.03	—	0.120				
SRT0402-96R155C10	75	Ct10	96	100	155	±0.06	—	0.160	~0.050			
SRT0402-216R275C10	195	Ct10	216	220	275	±0.15	—	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

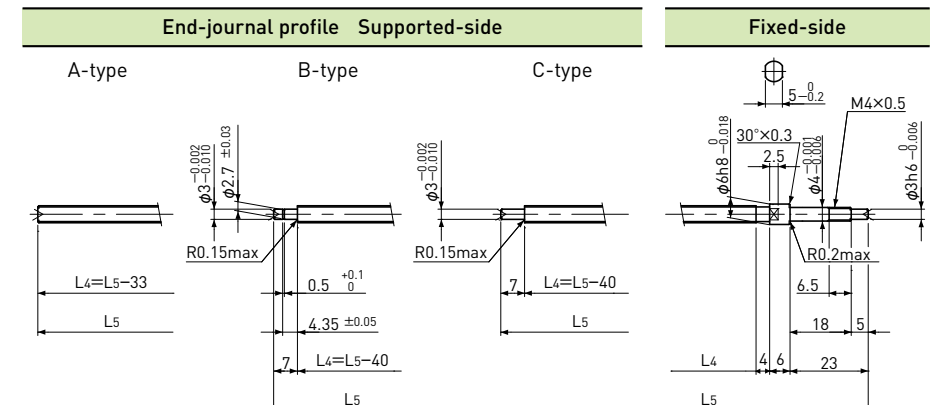
SRT0504 | Shaft dia. $\phi 5$ Lead 4mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		
Ball size	$\phi 0.8$	
Number of thread	1	
Thread direction	Right	
Shaft root dia.	$\phi 4.3$	
Number of circuit	2.7×1	
Material	Shaft	SCM415H+SUS303
	Nut	SCM415H
Surface hardness	HRC58~ (Thread area)	
Anti-rust treatment	Anti-rust oil	



L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	
	Supported-side	MSU-4CS/4GS
	Fixed-side	MSU-4C/4G

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0504-96R155C7	70	Ct7	96	100	155	±0.02	—	0.080	~0.020	—	470	720
SRT0504-216R275C7	190	Ct7	216	220	275	±0.03	—	0.120				
SRT0504-96R155C10	70	Ct10	96	100	155	±0.06	—	0.160	~0.050			
SRT0504-216R275C10	190	Ct10	216	220	275	±0.15	—	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

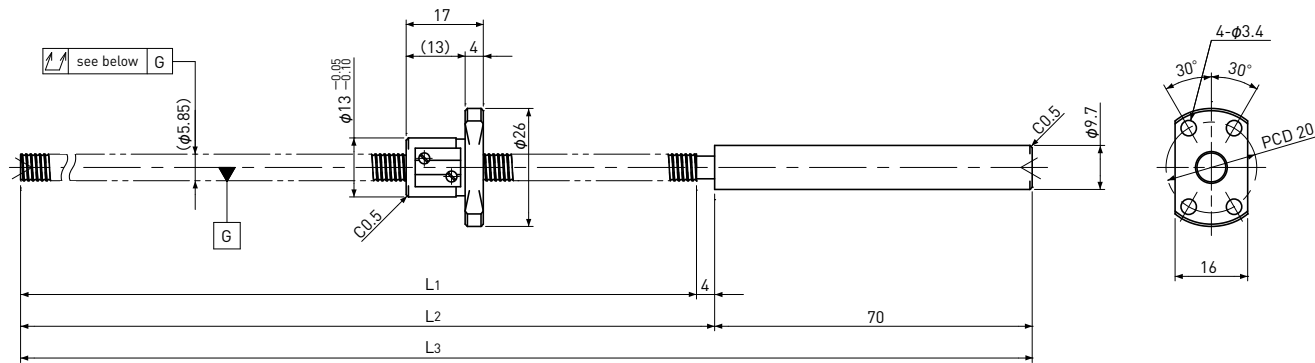
Standard products in stock SRT series

SRT0601

Shaft dia. $\phi 6$ Lead 1mm

Ct7&Ct10

* Please refer to page A315 for stainless steel type.



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side	
Ball size	$\phi 0.8$	A-type	B-type	C-type		
Number of thread	1					
Thread direction	Right					
Shaft root dia.	$\phi 5.3$					
Number of circuit	3.7×1					
Material	Shaft: SCM415H+SUS303 Nut: SCM415H					
Surface hardness	HRC58~ (Thread area)					
Anti-rust treatment	Anti-rust oil					
		L4: Thread length after end-journal machining. L5: Total length after end-journal machining.			Support-unit Recommendation Supported-side : MSU-5CS/5GS Fixed-side : MSU-5C/5G	

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0601-146R220C7	125	Ct7	146	150	220	±0.02	—	0.080	~0.020	—	680	1200
SRT0601-261R335C7	240	Ct7	261	265	335	±0.04	—	0.120				
SRT0601-146R220C10	125	Ct10	146	150	220	±0.10	—	0.160	~0.050			
SRT0601-261R335C10	240	Ct10	261	265	335	±0.18	—	0.240				

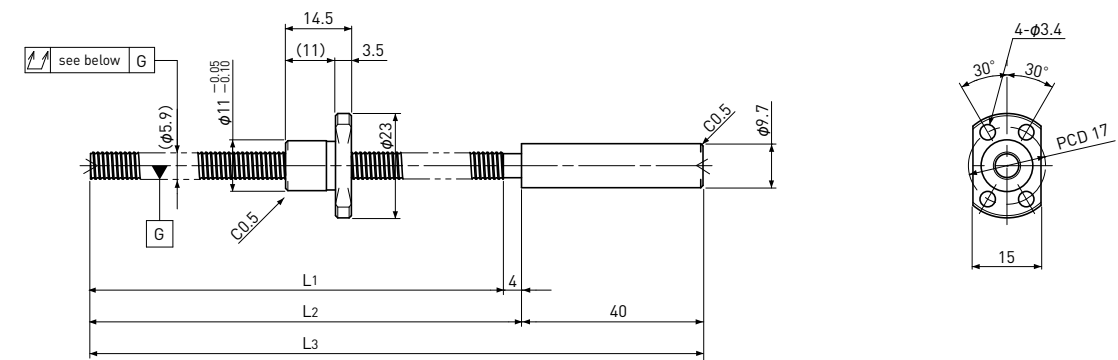
Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT0601K

Compact Nut
Shaft dia. $\phi 6$ Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side	
Ball size	$\phi 0.8$	A-type	B-type	C-type		
Number of thread	1					
Thread direction	Right					
Shaft root dia.	$\phi 5.3$					
Number of circuit	1×3					
Material	Shaft: S55C+SUS303 Nut: SCM415H					
Surface hardness	HRC58~ (Thread area)					
Anti-rust treatment	Anti-rust oil					
		L4: Thread length after end-journal machining. L5: Total length after end-journal machining.			Support-unit Recommendation Supported-side : MSU-5CS/5GS Fixed-side : MSU-5C/5G	

D-type : Other than the above.

Unit : mm

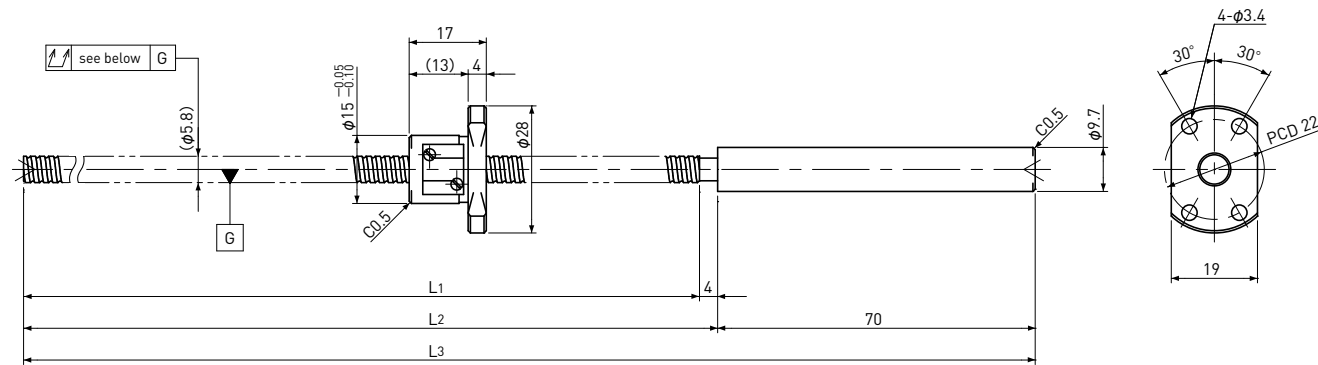
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out	Axial play	Preload Torque Nm	Basic Load Rating N	
			L1	L2	L3	Travel deviation e_p	Variation V_{300}				Dynamic Ca	Static Coa
SRT0601K-91R135C7	70	Ct7	91	95	135	± 0.02	—	0.080	~0.020	—	560	950
SRT0601K-91R135C10	70	Ct10	91	95	135	± 0.06	—	0.160	~0.050			

Note) Please refer to page A287 for order code of end-journal machining.

SRT0602

Shaft dia. $\phi 6$ Lead 2mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		
Ball size		φ 1.0
Number of thread		1
Thread direction		Right
Shaft root dia.		φ 5.1
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 Supported-side		Fixed-side
A-type	B-type	C-type
L4: Thread length after end-journal machining. L5: Total length after end-journal machining.		
Support-unit Recommendation	Supported-side	MSU-5CS/5GS
	Fixed-side	MSU-5C/5G

D-type : Other than the above.

Unit : mm

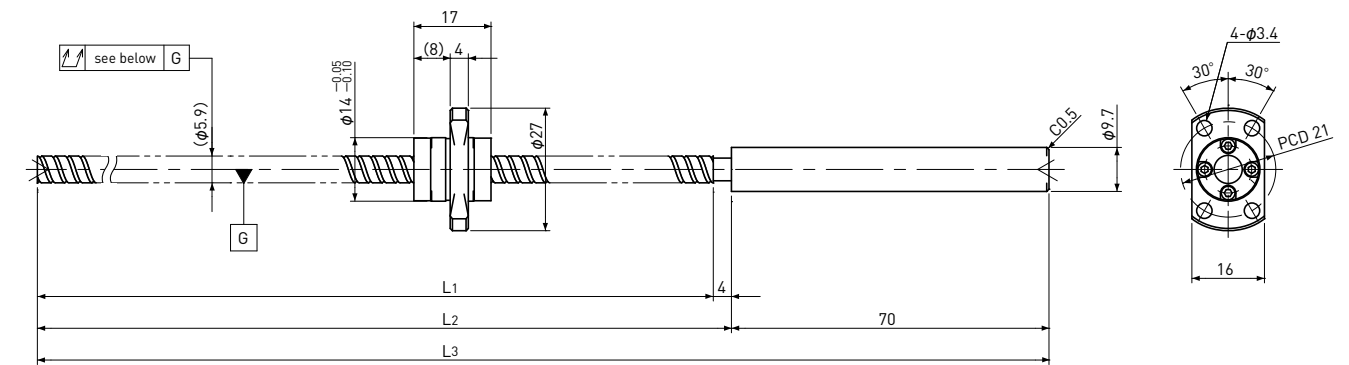
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0602-146R220C7	125	Ct7	146	150	220	±0.02	—	0.080	~0.020	—	750	1200
SRT0602-261R335C7	240	Ct7	261	265	335	±0.04	—	0.120				
SRT0602-146R220C10	125	Ct10	146	150	220	±0.10	—	0.160	~0.050			
SRT0602-261R335C10	240	Ct10	261	265	335	±0.18	—	0.240				

Note)Please refer to page A287 for order code of end-journal machining.

SRT0606

Shaft dia. $\phi 6$ Lead 6mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		
Ball size		φ 1.0
Number of thread		2
Thread direction		Right
Shaft root dia.		φ 5.2
Number of circuit		1.6×2
Material	Shaft	SCM415H+SUS304
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile Supported-side		Fixed-side
A-type	B-type	C-type
L₄: Thread length after end-journal machining. L₅: Total length after end-journal machining.		
Support-unit Recommendation	Supported-side	MSU-5CS/5GS
	Fixed-side	MSU-5C/5G

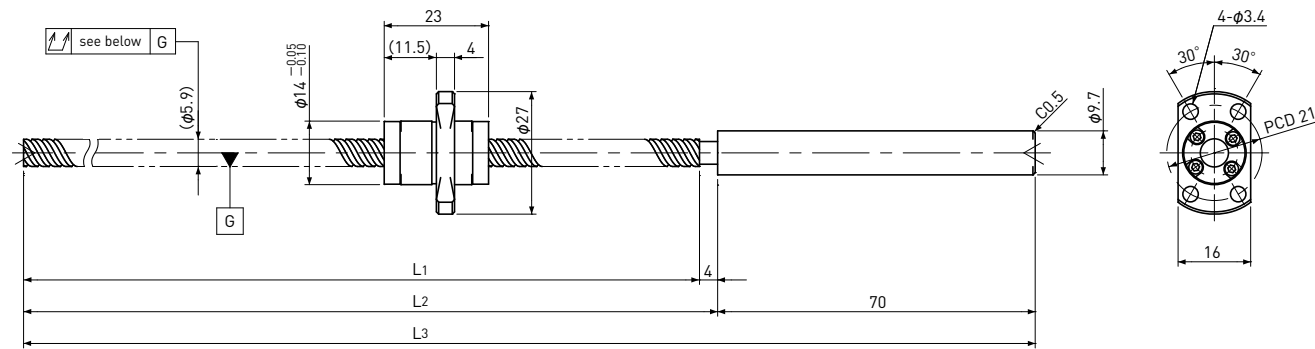
D-type : Other than the above.

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0606-146R220C7	125	Ct7	146	150	220	±0.02	—	0.080	~0.020	—	870	1450
SRT0606-261R335C7	240	Ct7	261	265	335	±0.04	—	0.120				
SRT0606-146R220C10	125	Ct10	146	150	220	±0.10	—	0.160	~0.050			
SRT0606-261R335C10	240	Ct10	261	265	335	±0.18	—	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

SRT0610 | Shaft dia. $\phi 6$ Lead 10mm | **Ct7&Ct10** |



Unit : mm

Ball Screw Specifications		
Ball size		ϕ 1.2
Number of thread		2
Thread direction		Right
Shaft root dia.		ϕ 5.0
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 Supported-side		
A-type	B-type	C-type
L4: Thread length after end-journal machining. L5: Total length after end-journal machining.		
Support-unit Recommendation	Supported-side	MSU-5CS/5GS
	Fixed-side	MSU-5C/5G

Fixed-side		

D-type : Other than the above.

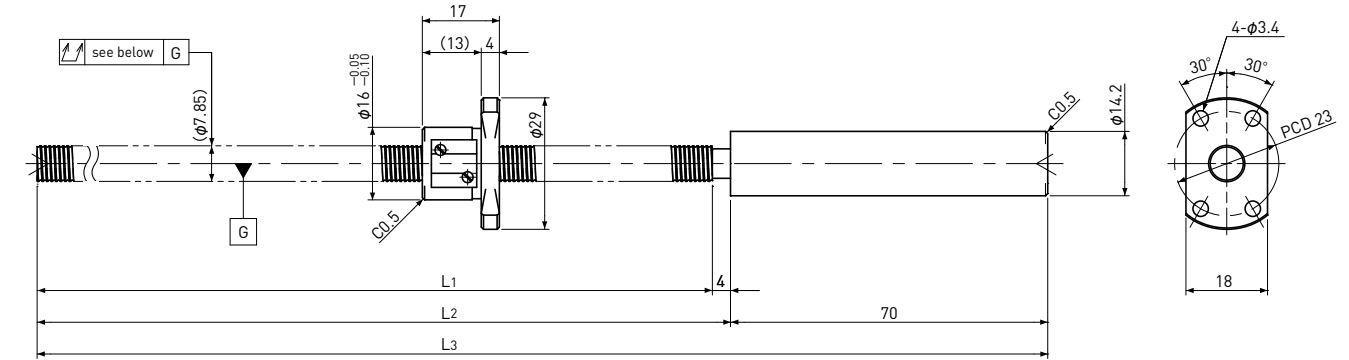
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0610-146R220C7	120	Ct7	146	150	220	±0.02	—	0.080	~0.020	—	950	1600
SRT0610-261R335C7	235	Ct7	261	265	335	±0.04	—	0.120				
SRT0610-146R220C10	120	Ct10	146	150	220	±0.10	—	0.160	~0.050			
SRT0610-261R335C10	235	Ct10	261	265	335	±0.18	—	0.240				

Note)Please refer to page A287 for order code of end-journal machining.

SRT0801 | Shaft dia. $\phi 8$ Lead 1mm | **Ct7&Ct10** |

* Please refer to page A316 for stainless steel type.



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side	
Ball size		φ0.8	A-type	B-type	C-type		
Number of thread		1					
Thread direction		Right					
Shaft root dia.		φ7.3					
Number of circuit		3.7×1					
Material	Shaft	SCM415H+SUS303					
	Nut	SCM415H					
Surface hardness		HRC58~ (Thread area)					
Anti-rust treatment		Anti-rust oil					

Technical drawing of the end-journal profile for the supported side, showing A-type, B-type, and C-type profiles. Dimensions include L4, L5, and R0.2max.

Technical drawing of the end-journal profile for the fixed side, showing dimensions L4, L5, and R0.2max.

L4: Thread length after end-journal machining.
 L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-6CS/6GS
	Fixed-side	MSU-6C/6G

D-type : Other than the above.

Unit : mm

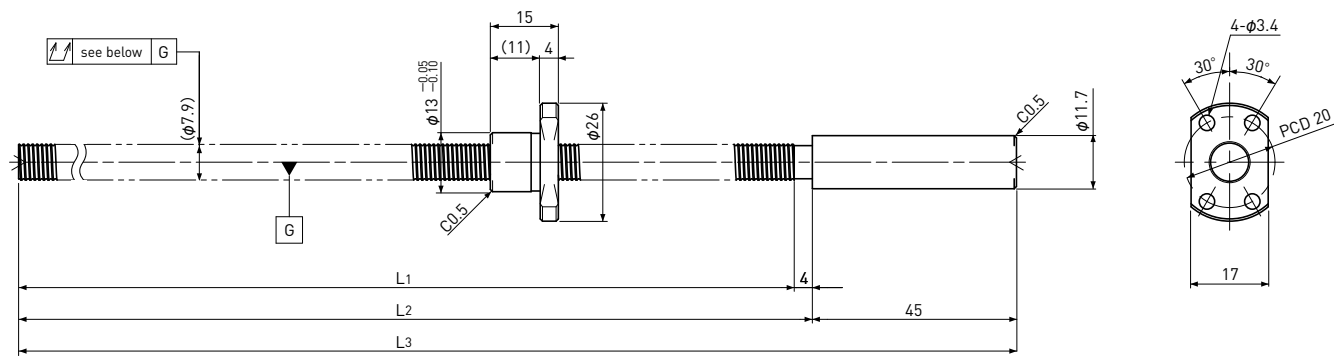
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0801-196R270C7	175	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	780	1650
SRT0801-356R430C7	335	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0801-196R270C10	175	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0801-356R430C10	335	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

SRT0801K

Compact Nut
Shaft dia. $\phi 8$ Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		
Ball size		φ0.8
Number of thread		1
Thread direction		Right
Shaft root dia.		φ7.3
Number of circuit		1×3
Material	Shaft	S55C+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile Supported-side		
A-type	B-type	C-type

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0801K-171R220C7	150	Ct7	171	175	220	±0.03	—	0.080	~0.020	—	650	1300
SRT0801K-171R220C10	150	Ct10	171	175	220	±0.11	—	0.160	~0.050			

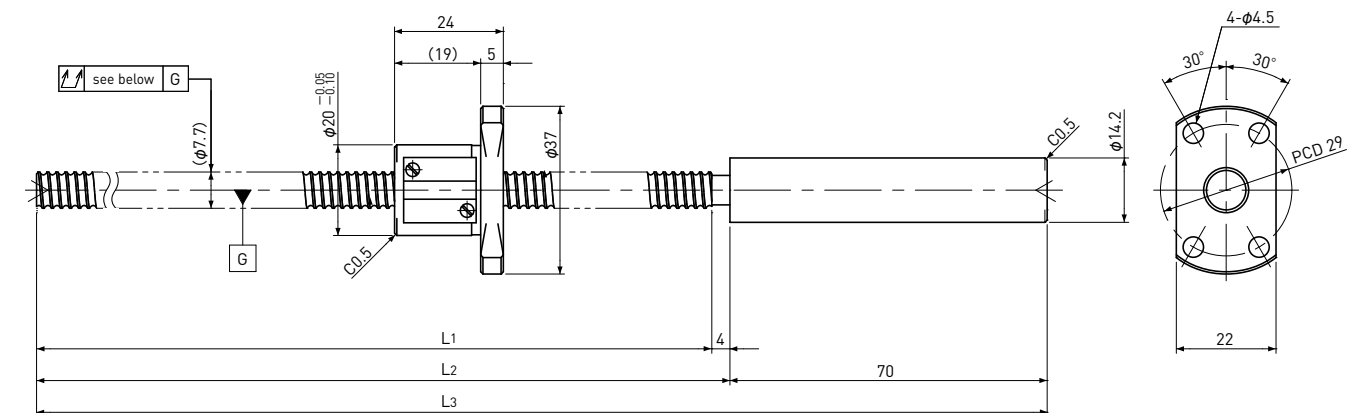
Note)Please refer to page A287 for order code of end-journal machining.

SRT0802

Shaft dia. $\phi 8$ Lead 2mm

| Ct7&Ct10 |

* Please refer to page A317 for stainless steel type.



Unit : mm

Ball Screw Specifications			End-profile profile Supported-side			Fixed-side		
Ball size		φ 1.5875	A-type			B-type		
Number of thread		1	C-type					
Thread direction		Right						
Shaft root dia.		φ 6.6						
Number of circuit		3.7×1						
Material	Shaft	SCM415H+SUS303						
	Nut	SCM415H						
Surface hardness		HRC58~ (Thread area)						
Anti-rust treatment		Anti-rust oil						

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation

Supported-side : MSU-6CS/6GS

Fixed-side : MSU-6C/6G

MSU-6CS/6GS

MSU-6C/6G

D-type : Other than the above.

Unit : mm

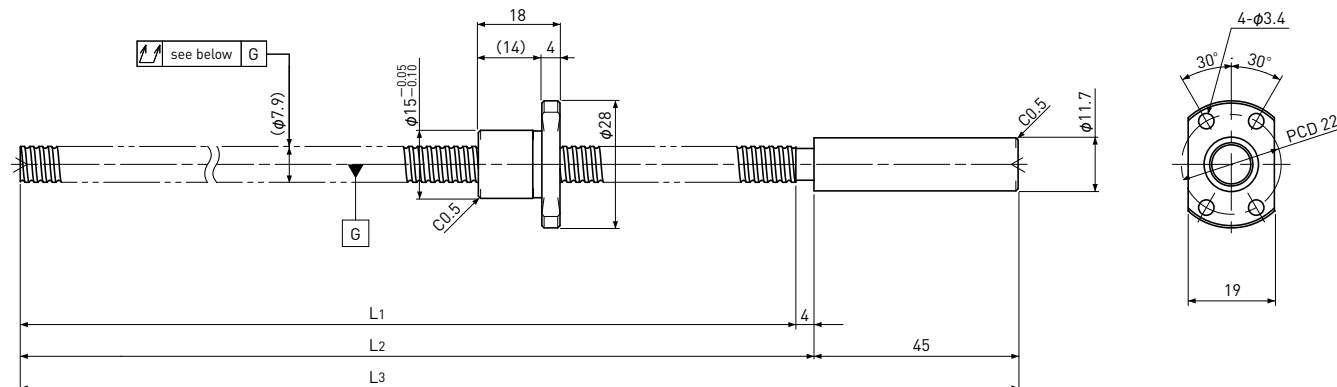
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0802-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2400	4100
SRT0802-356R430C7	330	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0802-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0802-356R430C10	330	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

SRT0802K

Compact Nut
Shaft dia. $\phi 8$ Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side		Fixed-side
Ball size	φ1.2	A-type	B-type	C-type
Number of thread	1			
Thread direction	Right			
Shaft root dia.	φ7.0			
Number of circuit	1×3			
Material	Shaft: S55C+SUS303 Nut: SCM415H			
Surface hardness	HRC58~ (Thread area)	L4: Thread length after end-journal machining. L5: Total length after end-journal machining.		
Anti-rust treatment	Anti-rust oil	Support-unit Recommendation	Supported-side	MSU-6CS/6GS
			Fixed-side	MSU-6C/6G

D-type : Other than the above.

Unit : mm

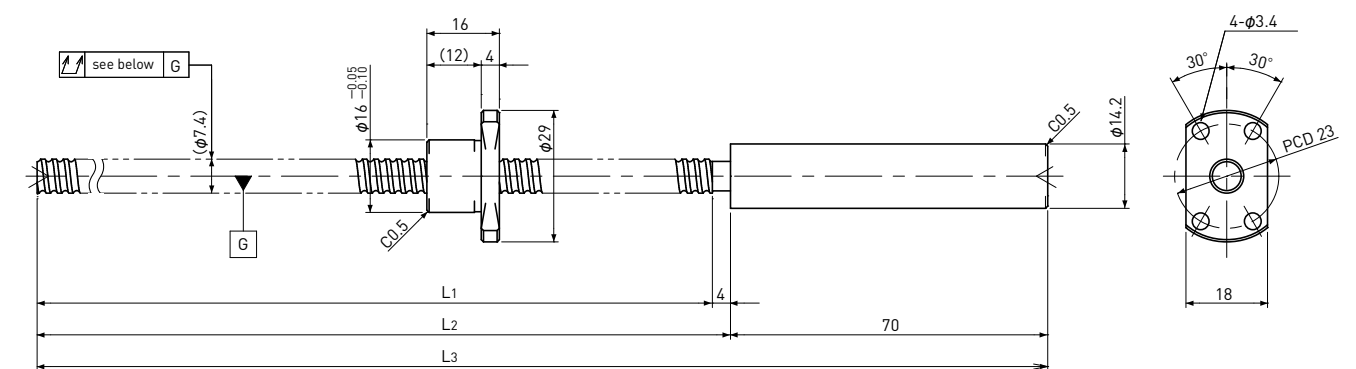
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0802K-171R220C7	145	Ct7	171	175	220	±0.03	—	0.080	~0.020	—	1300	2300
SRT0802K-171R220C10	145	Ct10	171	175	220	±0.11	—	0.160	~0.050			

Note)Please refer to page A287 for order code of end-journal machining.

SRT0802.5

Shaft dia. $\phi 8$ Lead 2.5mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side		Fixed-side
Ball size	$\phi 1.5875$	A-type	B-type	C-type
Number of thread	1			
Thread direction	Right			
Shaft root dia.	$\phi 6.3$			
Number of circuit	2.7×1			
Material	Shaft	SCM415H+SUS303		
	Nut	SCM415H		
Surface hardness	HRC58~ (Thread area)			
Anti-rust treatment	Anti-rust oil			

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT0802.5-196R270C7	180	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	1850	3000
SRT0802.5-356R430C7	340	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0802.5-196R270C10	180	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0802.5-356R430C10	340	Ct10	356	360	430	±0.24	0.21	0.240				

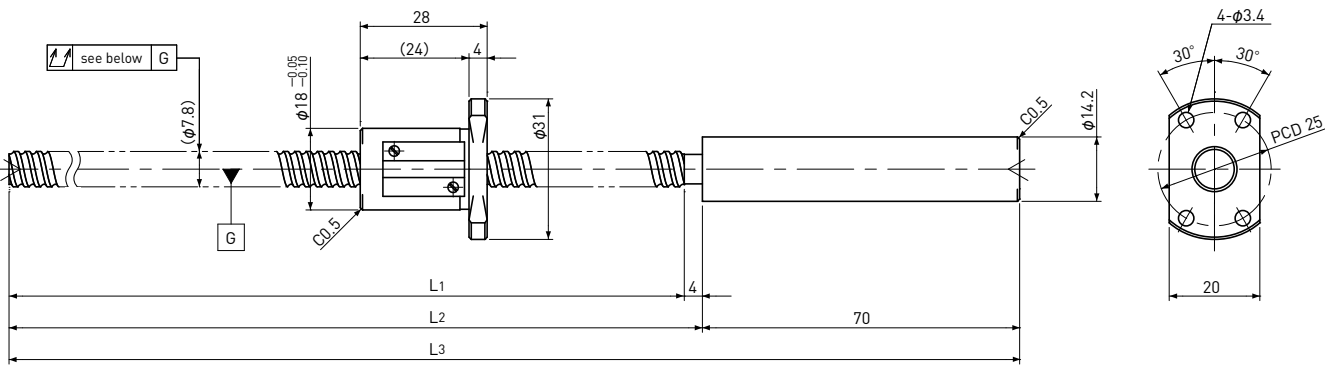
Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT0805

Shaft dia. $\phi 8$ Lead 5mm

Ct7&Ct10

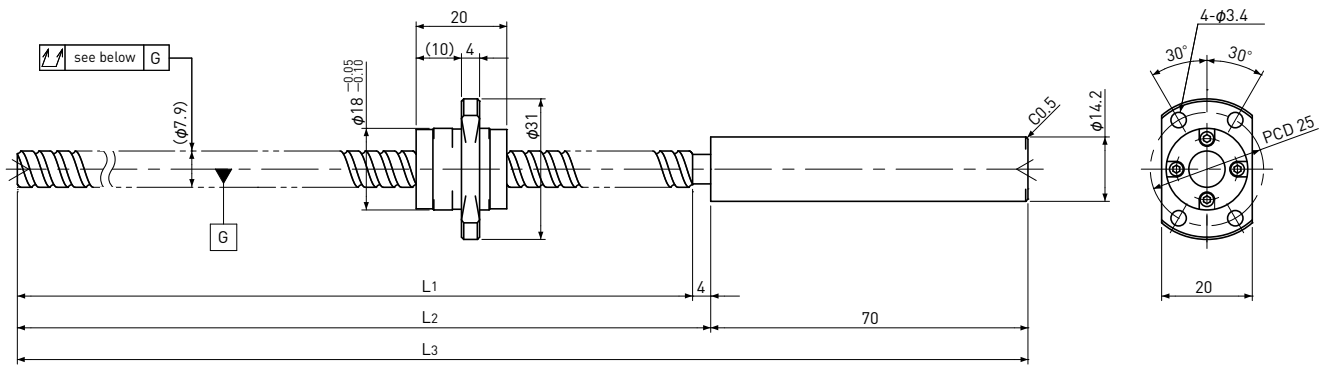


Standard products in stock SRT series

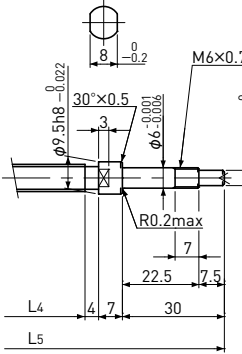
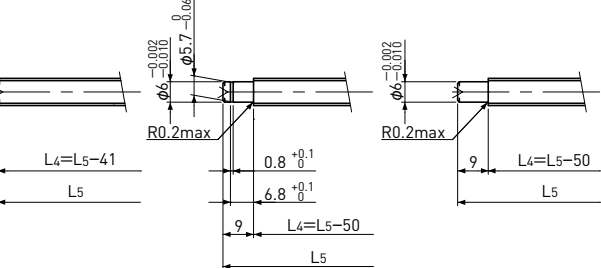
SRT0808

Shaft dia. $\phi 8$ Lead 8mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side	
Ball size		φ 1.5875	A-type	B-type	C-type		
Number of thread		1					
Thread direction		Right					
Shaft root dia.		φ 6.6					
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		MSU-6CS/6GS		
			Fixed-side		MSU-6C/6G		

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-6CS/6GS
	Fixed-side	MSU-6C/6G

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0805-196R270C7	165	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	1850	3000
SRT0805-356R430C7	325	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0805-196R270C10	165	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0805-356R430C10	325	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side		
Ball size		φ 1.5875	A-type		B-type	C-type		

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-6CS/6GS
	Fixed-side	MSU-6C/6G

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{oa}
SRT0808-196R270C7	175	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2200	3800
SRT0808-356R430C7	335	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0808-196R270C10	175	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0808-356R430C10	335	Ct10	356	360	430	±0.24	0.21	0.240				

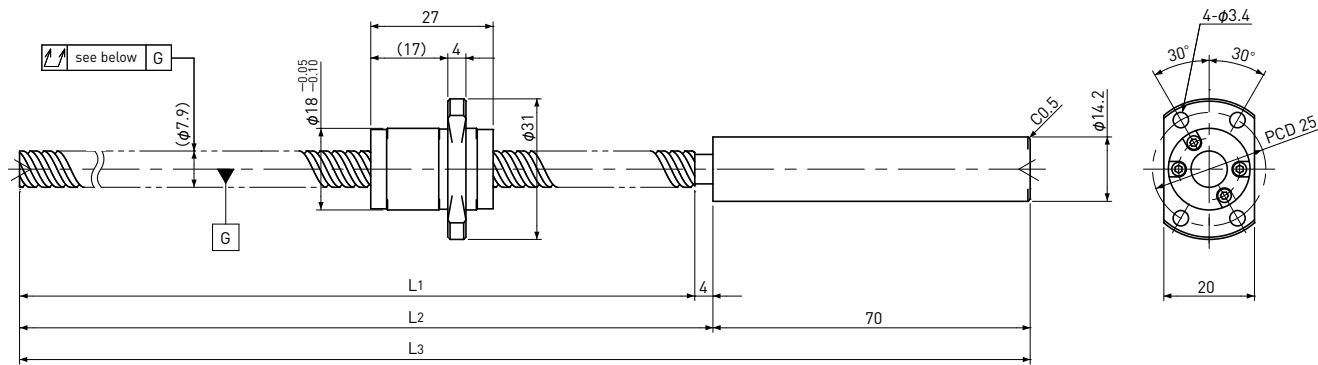
Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT0812

Shaft dia. $\phi 8$ Lead 12mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side	
Ball size		φ 1.5875	A-type	B-type	C-type		

L₄: Thread length after end-journal machining.
L₅: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	MSU-6CS/6GS
	Fixed-side	MSU-6C/6G

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT0812-196R270C7	165	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2200	4000
SRT0812-356R430C7	325	Ct7	356	360	430	±0.06	0.05	0.120				
SRT0812-196R270C10	165	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT0812-356R430C10	325	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

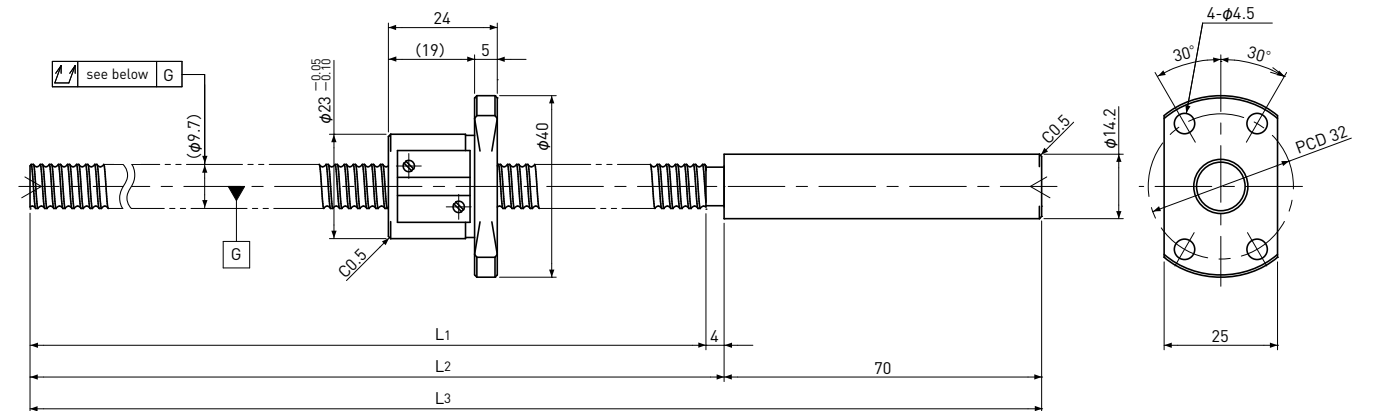
Standard products in stock SRT series

SRT1002

Shaft dia. $\phi 10$ Lead 2mm

Ct7&Ct10

* Please refer to page A318 for stainless steel type.



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side	
Ball size	φ 1.5875	A-type	B-type	C-type		

L₄: Thread length after end-journal machining.
L₅: Total length after end-journal machining.

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

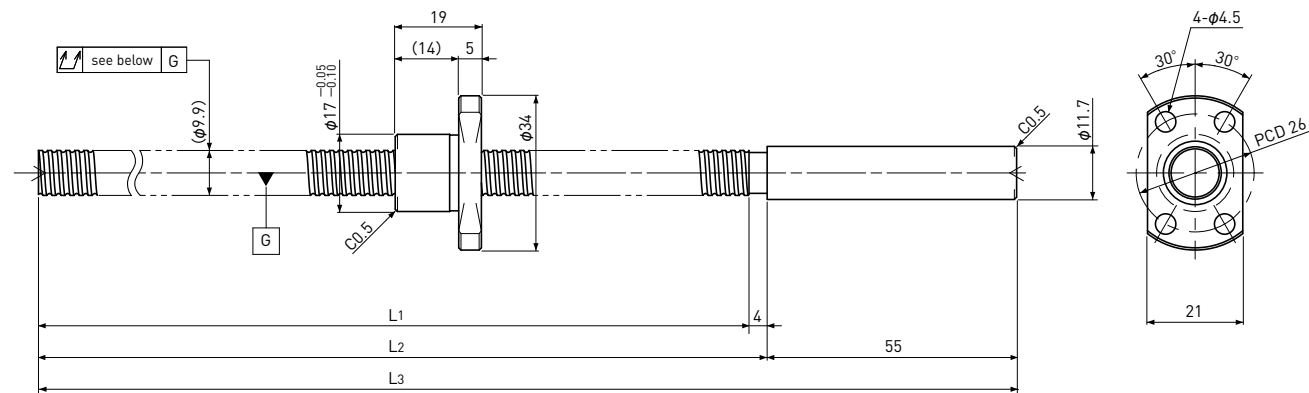
D-type : Other than the above.

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT1002-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2700	5300
SRT1002-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.120				
SRT1002-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1002-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

SRT1002K | **Compact Nut** | **Ct7&Ct10**
Shaft dia. $\phi 10$ Lead 2mm



Unit : mm

Ball Screw Specifications		
Ball size		φ 1.2
Number of thread		1
Thread direction		Right
Shaft root dia.		φ 9.0
Number of circuit		1×3
Material	Shaft	S55C+SUS303
	Nut	SCM415H
Surface hardness		HRC58~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile Supported-side		
A-type	B-type	C-type
L4: Thread length after end-journal machining. L5: Total length after end-journal machining.		
Support-unit Recommendation	Supported-side	MSU-8CS/8GS
	Fixed-side	MSU-8C/8G

Fixed-side	

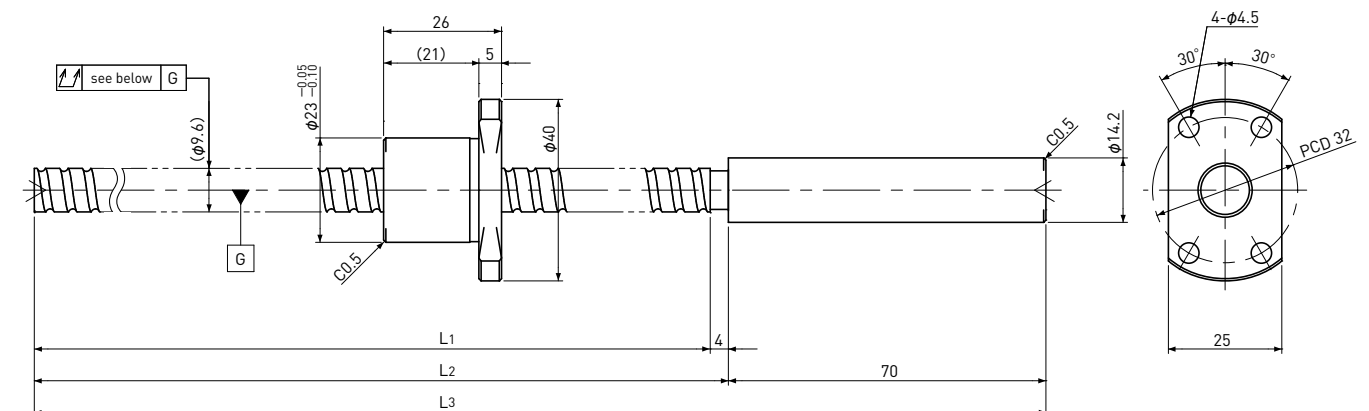
D-type : Other than the above.

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT1002K-201R260C7	175	Ct7	201	205	260	±0.03	—	0.080	~0.020	—	1450	3000
SRT1002K-201R260C10	175	Ct10	201	205	260	±0.14	—	0.160	~0.050			

Note)Please refer to page A287 for order code of end-journal machining.

SRT1005 | Shaft dia. $\phi 10$ Lead 5mm | **Ct7&Ct10** |



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 2.0$	A-type	B-type	C-type	Technical drawing of the fixed-side end journal profile. Dimensions include: Outer diameter: $\phi 11.5_{-0.027}^{+0}$ Inner hole: $\phi 8_{-0.038}^{+0}$ Thread: M8$\times$1.0 Lengths: 10, 4, 9, 27, 10, 37, 4, 8, L4, L5. Steps: 30$\times$0.5, R0.2max.
Number of thread	1				
Thread direction	Right				
Shaft root dia.	$\phi 8.2$				
Number of circuit	2.7 $\times$ 1				
Material	Shaft Nut	SCM415H+SUS303	SCM415H		
Surface hardness	HRC58~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

D-type : Other than the above.

Unit : mm

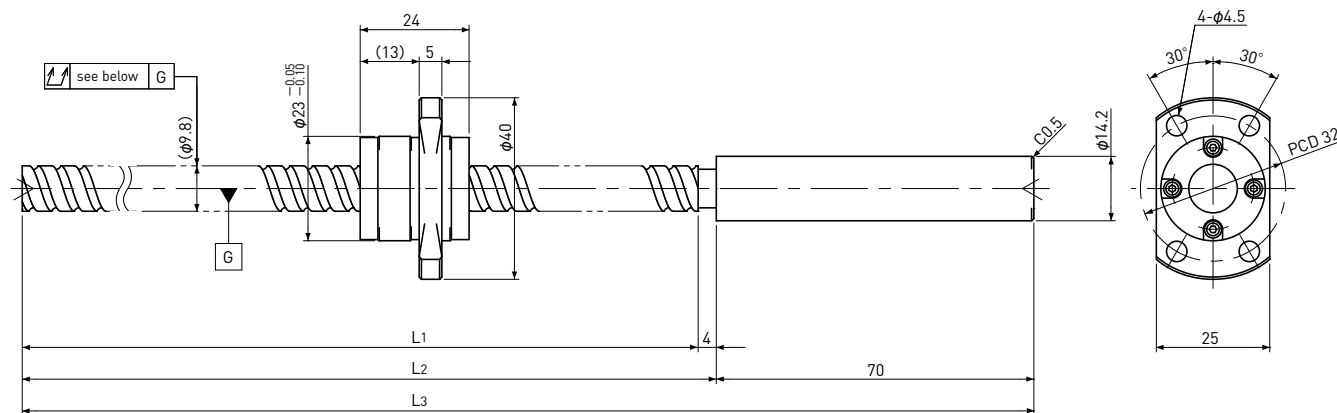
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT1005-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	3000	5200
SRT1005-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.120				
SRT1005-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1005-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.240				

Note)Please refer to page A287 for order code of end-journal machining.

SRT1010

Shaft dia. $\phi 10$ Lead 10mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	φ 2.0	A-type	B-type	C-type	
Number of thread	2				
Thread direction	Right				
Shaft root dia.	φ 8.4				
Number of circuit	1.6 × 2				
Material	Shaft	SCM415H+SUS303			
	Nut	SCM415H			
Surface hardness	HRC58~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

Technical drawing of Ball Screw End-journal profile A-type. Dimensions include L4=L5-49, L5, φ6, φ5.7, R0.2max, 0.8, 6.8, 9, L4=L5-58, L5.

Technical drawing of Ball Screw End-journal profile B-type. Dimensions include L4=L5-58, L5, φ6, φ5.7, R0.2max, 0.8, 6.8, 9, L4=L5-58, L5.

Technical drawing of Ball Screw End-journal profile C-type. Dimensions include L4=L5-58, L5, φ6, φ5.7, R0.2max, 0.8, 6.8, 9, L4=L5-58, L5.

Technical drawing of Ball Screw Fixed-side. Dimensions include L4, L5, φ11.5h8, φ8, R0.2max, 0.8, 6.8, 9, L4=L5-58, L5.

L4: Thread length after end-journal machining.
 L5: 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

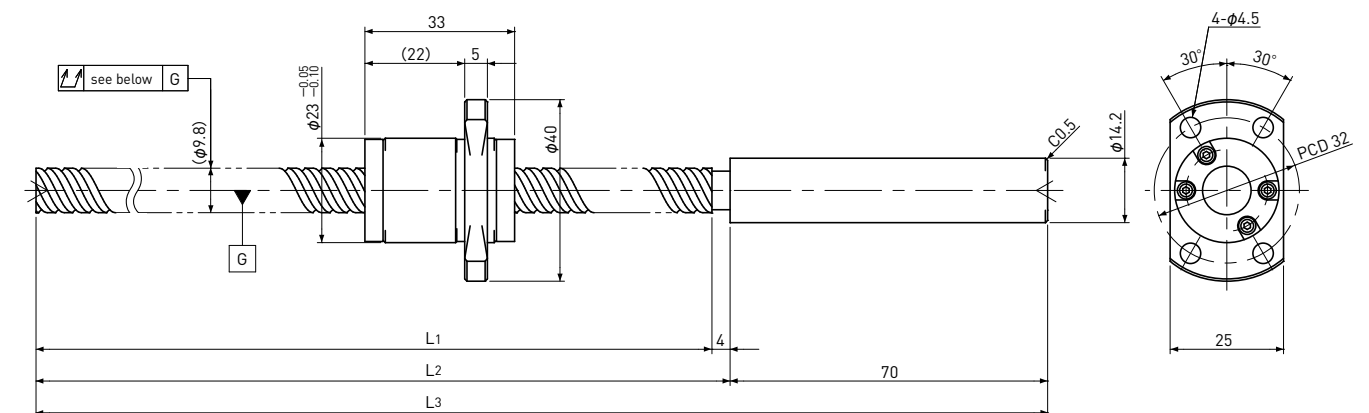
Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _P	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT1010-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	3300	5900
SRT1010-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.120				
SRT1010-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1010-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.240				

Note)Please refer to page A287 for order code of end-journal machining.

SRT1015

Shaft dia. $\phi 10$ Lead 15mm

| Ct7&Ct10 |



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 2.0$	A-type	B-type	C-type	
Number of thread	2				
Thread direction	Right				
Shaft root dia.	$\phi 8.4$				
Number of circuit	1.6×2				
Material	Shaft	SCM415H+SUS303			
	Nut	SCM415H			
Surface hardness	HRC58~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

A-type

B-type

C-type

Fixed-side

L₄: Thread length after end-journal machining.
 L₅: 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.

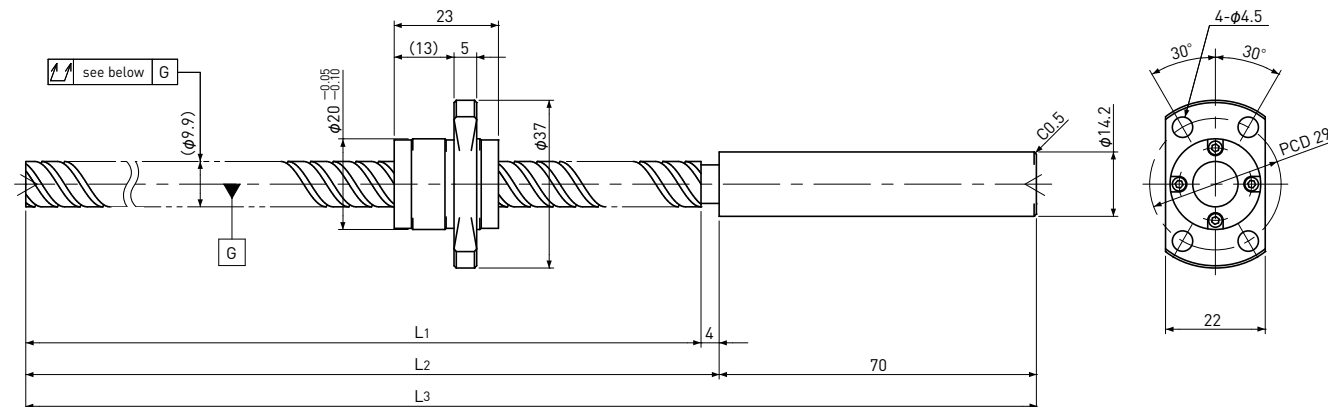
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L1	L2	L3	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT1015-196R270C7	160	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	3300	6400
SRT1015-396R470C7	360	Ct7	396	400	470	±0.06	0.05	0.120				
SRT1015-196R270C10	160	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1015-396R470C10	360	Ct10	396	400	470	±0.27	0.21	0.240				

Note)Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT1020

 Shaft dia. $\phi 10$ Lead 20mm | Ct7&Ct10


Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 1.5875$	A-type	B-type	C-type	
Number of thread	4				
Thread direction	Right				
Shaft root dia.	$\phi 8.7$				
Number of circuit	0.7×4				
Material	Shaft: SCM415H+SUS303 Nut: SCM415H				
Surface hardness	HRC58~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

L4: Thread length after end-journal machining.
L5: 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.

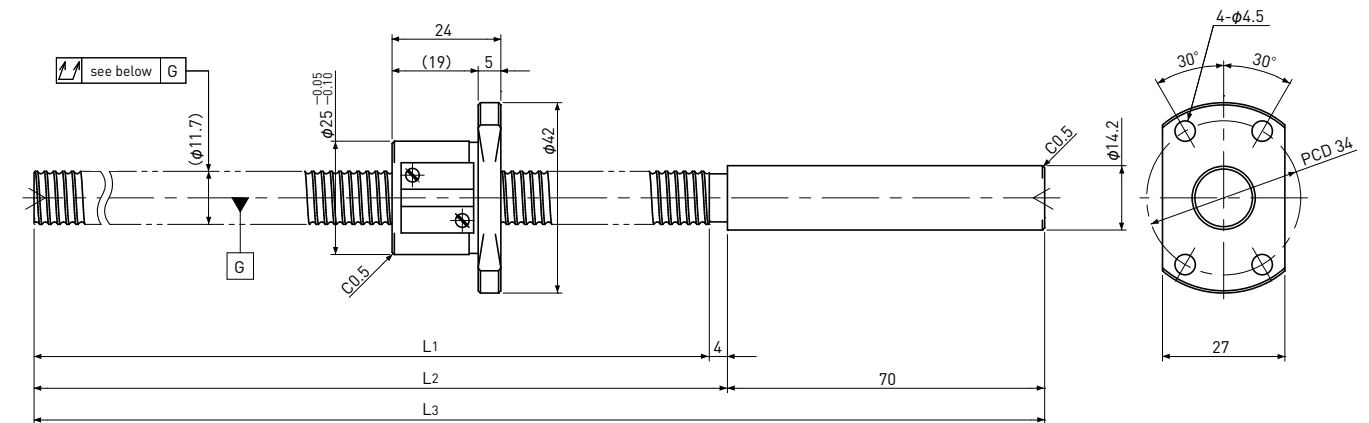
Unit : mm

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT1020-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2100	4000
SRT1020-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.120				
SRT1020-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1020-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

Standard products in stock SRT series

SRT1202

 Shaft dia. $\phi 12$ Lead 2mm | Ct7&Ct10


Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 1.5875$	A-type	B-type	C-type	
Number of thread	1				
Thread direction	Right				
Shaft root dia.	$\phi 10.6$				
Number of circuit	3.7×1				
Material	Shaft: SCM415H+SUS303 Nut: SCM415H				
Surface hardness	HRC58~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

Support-unit Recommendation	Supported-side	—
	Fixed-side	—

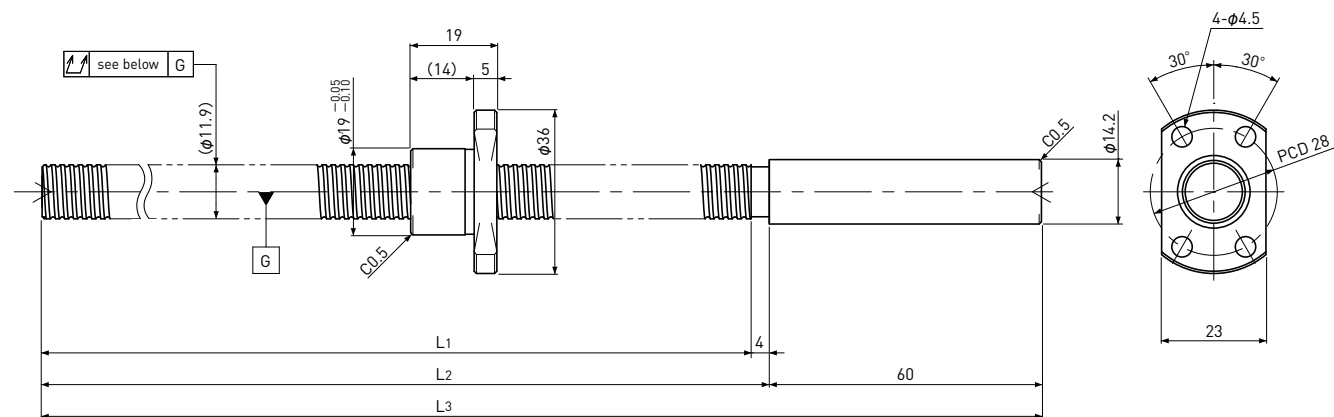
D-type : Other than the above.

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT1202-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	3000	6400
SRT1202-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.080				
SRT1202-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1202-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.160				

Note) Please refer to page A287 for order code of end-journal machining.

SRT1202K | **Compact Nut** | **Ct7&Ct10**
Shaft dia. $\phi 12$ Lead 2mm



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side		
Ball size		φ 1.2	A-type		B-type	C-type		
Number of thread		1						
Thread direction		Right						
Shaft root dia.		φ 11.0						
Number of circuit		1×3						
Material	Shaft	S55C+SUS303						
	Nut	SCM415H						
Surface hardness		HRC58~ (Thread area)						
Anti-rust treatment		Anti-rust oil						

A-type

B-type

C-type

L4: Thread length after end-journal machining.
 L5: Total length after end-journal machining.

Support-unit Recommendation

Supported-side : —
 Fixed-side : —

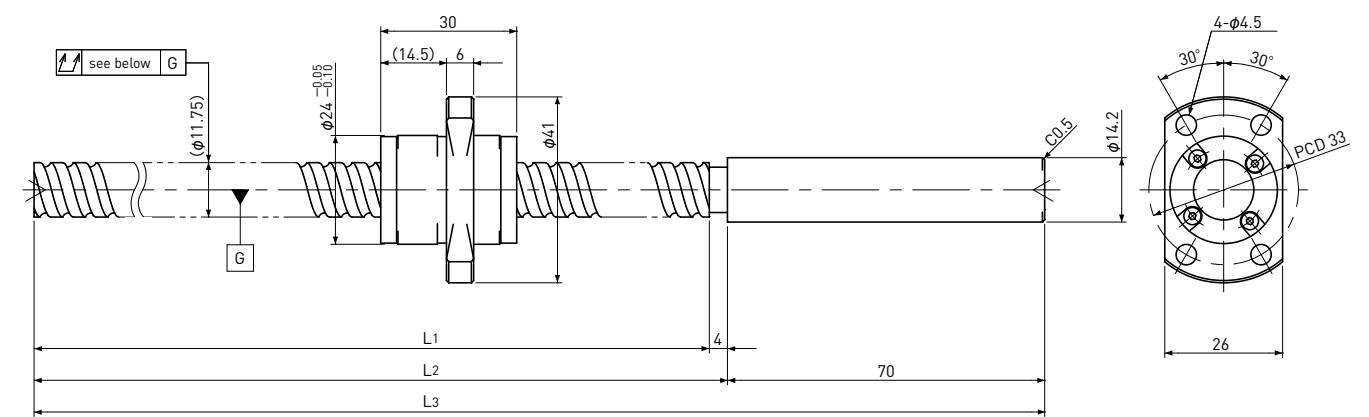
D-type : Other than the above.

Unit : mm

Ball Screw Model	Travel	Grade	Shaft length			Lead accuracy		Total Run-out 	Axial play	Preload Torque Nm	Basic Load Rating N	
			L ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic C _a	Static C _{0a}
SRT1202K-271R335C7	245	Ct7	271	275	335	±0.04	—	0.080	~0.020	—	1600	3700
SRT1202K-271R335C10	245	Ct10	271	275	335	±0.19	—	0.160	~0.050			

Note)Please refer to page A287 for order code of end-journal machining.

SRT1210 | Shaft dia. $\phi 12$ Lead 10mm | **Ct7&Ct10** |



Unit : mm

Ball Screw Specifications			End-journal profile Supported-side			Fixed-side	
Ball size		$\phi 2.381$	A-type	B-type	C-type		
Number of thread		2					
Thread direction		Right					
Shaft root dia.		$\phi 10.2$					
Number of circuit		1.7×2					
Material	Shaft	SCM415H+SUS303					
	Nut	SCM415H					
Surface hardness		HRC58~ (Thread area)					
Anti-rust treatment		Anti-rust oil	L4: Thread length after end-journal machining. L5: Total length after end-journal machining. 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 ₁	L ₂	L ₃	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SRT1210-196R270C7	165	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	5100	9800
SRT1210-396R470C7	365	Ct7	396	400	470	±0.06	0.05	0.080				
SRT1210-196R270C10	165	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SRT1210-396R470C10	365	Ct10	396	400	470	±0.27	0.21	0.160				

Note)Please refer to page A287 for order code of end-journal machining.

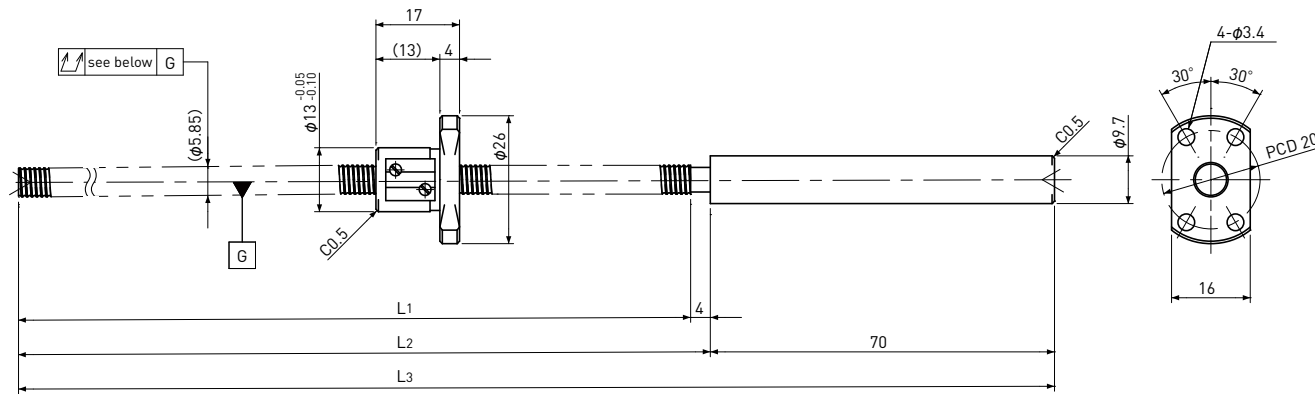
Standard products in stock SSRT series

SSRT0601

Stainless

Shaft dia. $\phi 6$ Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 0.8$	A-type	B-type	C-type	
Number of thread	1				
Thread direction	Right				
Shaft root dia	$\phi 5.3$				
Number of circuit	3.7 × 1				
Material	Shaft: SUS440C+SUS303 Nut: SUS440C				
Surface hardness	HRC55~ (Thread area)				
Anti-rust treatment	Anti-rust oil				
		Support-unit Recommendation			
		Supported-side : MSU-5CS/5GS			
		Fixed-side : MSU-5C/5G			

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSRT0601-146R220C7	125	Ct7	146	150	220	±0.02	—	0.080	~0.020	—	560	900
SSRT0601-261R335C7	240	Ct7	261	265	335	±0.04	—	0.120				
SSRT0601-146R220C10	125	Ct10	146	150	220	±0.10	—	0.160	~0.050			
SSRT0601-261R335C10	240	Ct10	261	265	335	±0.18	—	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

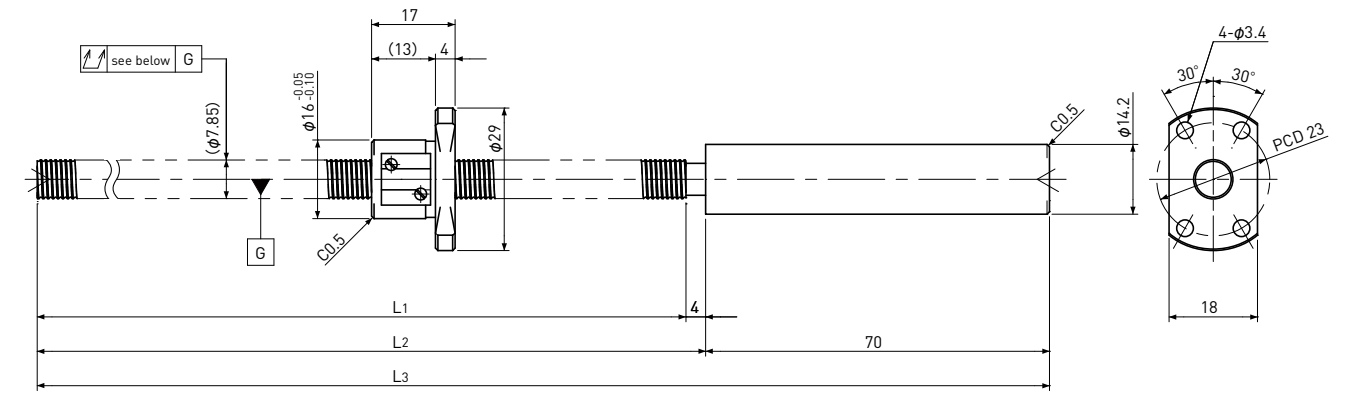
Standard products in stock SSRT series

SSRT0801

Stainless

Shaft dia. $\phi 8$ Lead 1mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 0.8$	A-type	B-type	C-type	
Number of thread	1				
Thread direction	Right				
Shaft root dia	$\phi 7.3$				
Number of circuit	3.7 × 1				
Material	Shaft: SUS440C+SUS303 Nut: SUS440C				
Surface hardness	HRC55~ (Thread area)				
Anti-rust treatment	Anti-rust oil				
		Support-unit Recommendation			
		Supported-side : MSU-6CS/6GS			
		Fixed-side : MSU-6C/6G			

L4: Thread length after end-journal machining.
L5: Total length after end-journal machining.

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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSRT0801-196R270C7	175	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	630	1250
SSRT0801-356R430C7	335	Ct7	356	360	430	±0.06	0.05	0.120				
SSRT0801-196R270C10	175	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SSRT0801-356R430C10	335	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

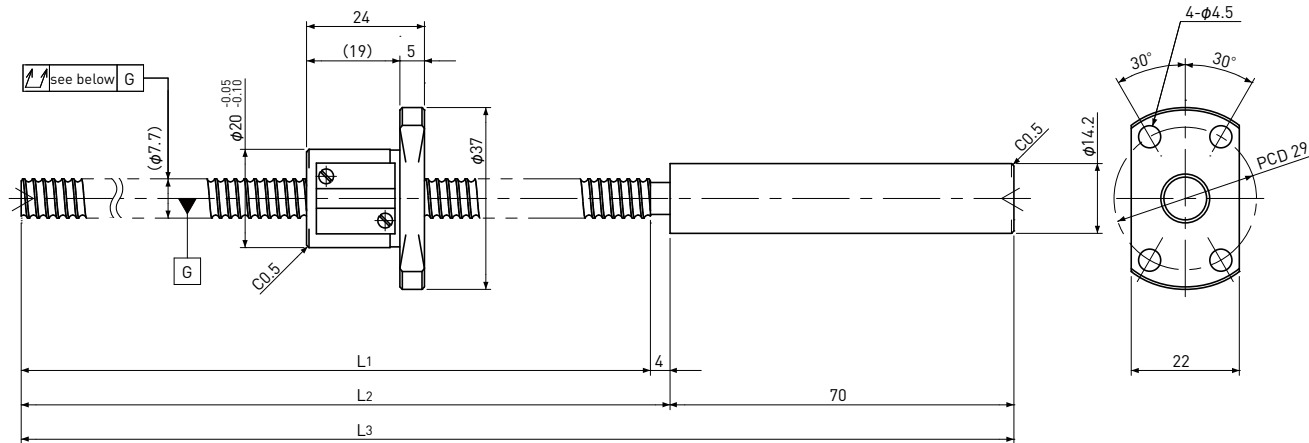
Standard products in stock SSRT series

SSRT0802

Stainless

Shaft dia. $\phi 8$ Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 1.5875$	A-type	B-type	C-type	
Number of thread	1				
Thread direction	Right				
Shaft root dia	$\phi 6.6$				
Number of circuit	3.7×1				
Material	Shaft: SUS440C+SUS303 Nut: SUS440C				
Surface hardness	HRC55~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

Support-unit Recommendation		Supported-side : MSU-6CS/6GS	Fixed-side : MSU-6C/6G
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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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSRT0802-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	1950	3100
SSRT0802-356R430C7	330	Ct7	356	360	430	±0.06	0.05	0.120				
SSRT0802-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SSRT0802-356R430C10	330	Ct10	356	360	430	±0.24	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.

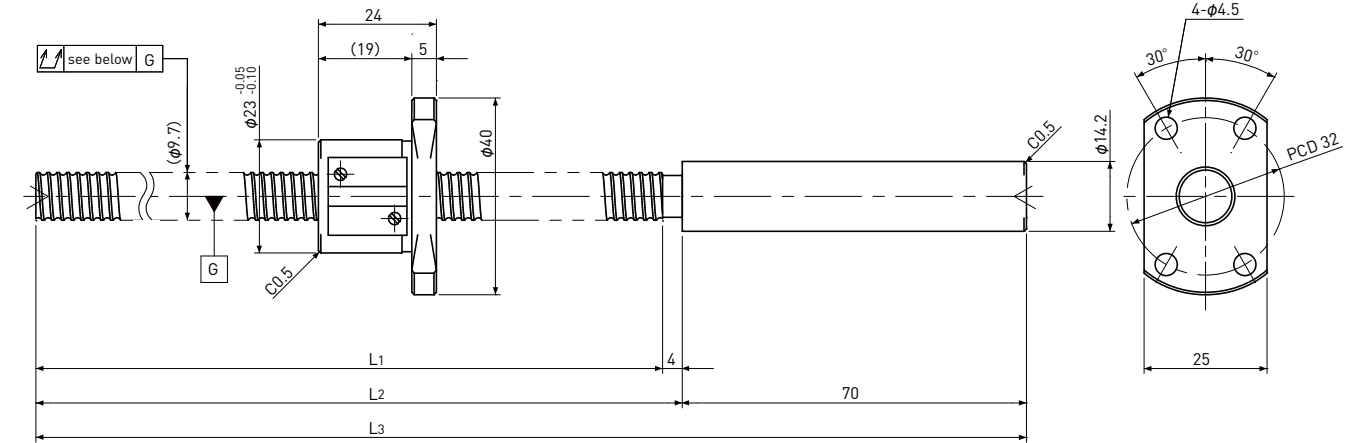
Standard products in stock SSRT series

SSRT1002

Stainless

Shaft dia. $\phi 10$ Lead 2mm

Ct7&Ct10



Unit : mm

Ball Screw Specifications		End-journal profile Supported-side			Fixed-side
Ball size	$\phi 1.5875$	A-type	B-type	C-type	
Number of thread	1				
Thread direction	Right				
Shaft root dia	$\phi 8.6$				
Number of circuit	3.7×1				
Material	Shaft: SUS440C+SUS303 Nut: SUS440C				
Surface hardness	HRC55~ (Thread area)				
Anti-rust treatment	Anti-rust oil				

Support-unit Recommendation		Supported-side : MSU-8CS/8GS	Fixed-side : MSU-8C/8G
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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	Travel deviation e _p	Variation V ₃₀₀				Dynamic Ca	Static Coa
SSRT1002-196R270C7	170	Ct7	196	200	270	±0.03	—	0.080	~0.020	—	2200	4000
SSRT1002-396R470C7	370	Ct7	396	400	470	±0.06	0.05	0.120				
SSRT1002-196R270C10	170	Ct10	196	200	270	±0.13	—	0.160	~0.050			
SSRT1002-396R470C10	370	Ct10	396	400	470	±0.27	0.21	0.240				

Note) Please refer to page A287 for order code of end-journal machining.