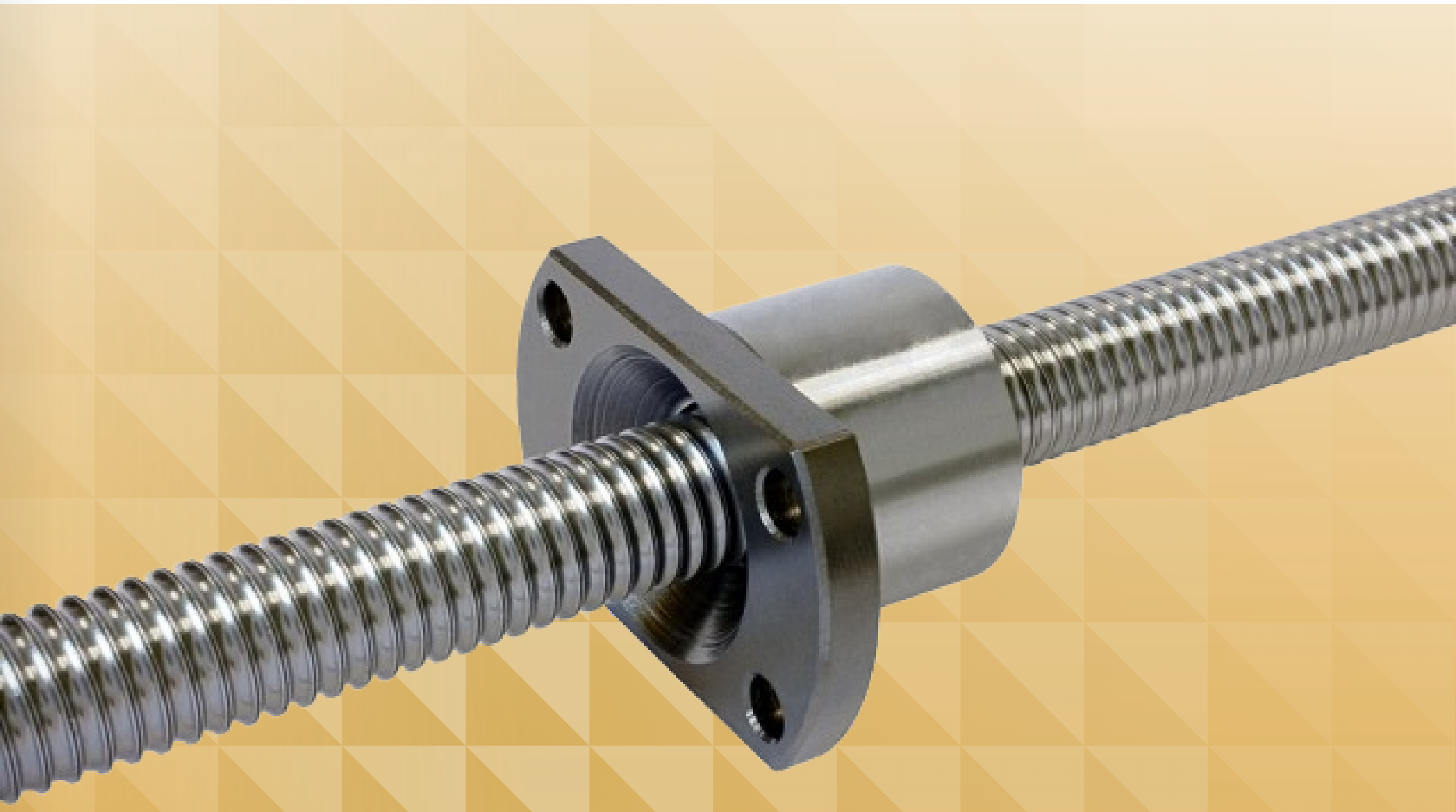
Precision Ball Screws



→ Precision Rolled Ball Screws

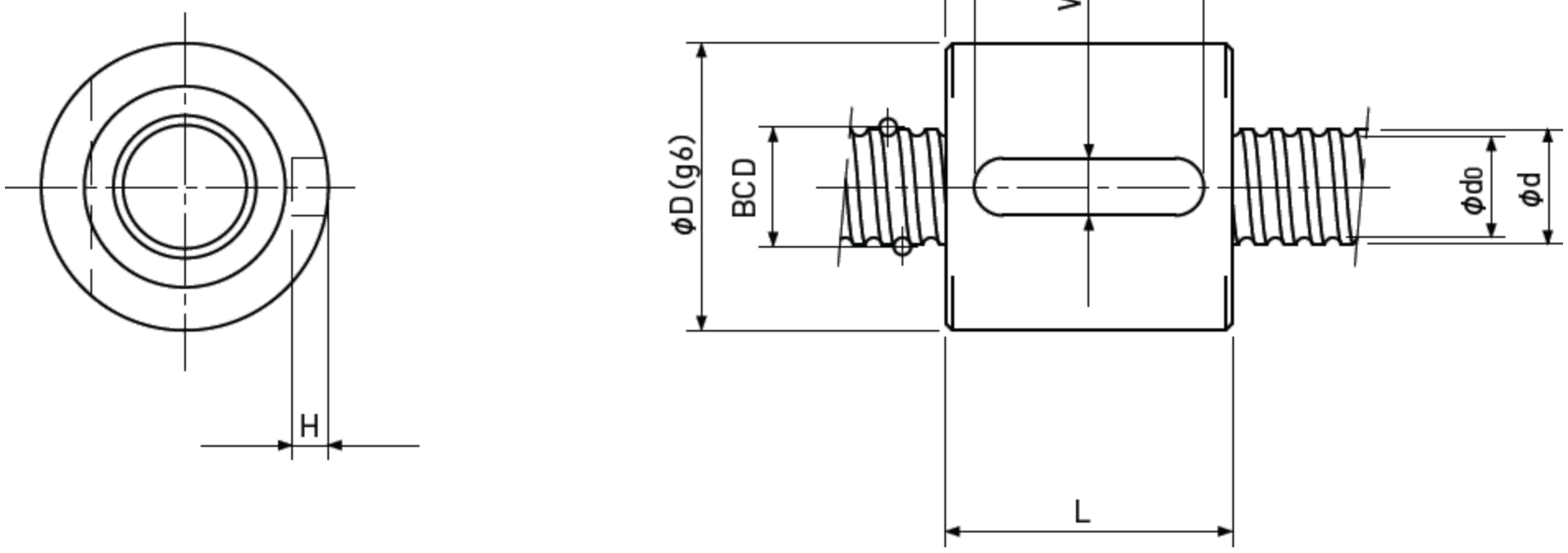
Call: 01386 421 005
Email: sales@abssac.co.uk
Web: www.abssac.co.uk

ABSSAC
PRECISION MOTION SINCE 1982

Rolled Ball Screws

Sleeve type Single Nut

Backlash type



Unit : mm

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d_0	Number of Circuit	Basic Load Rating N		Nut Rigidity N/μm
								Dynamic Ca	Static Coa	
BSR 0401	4	1	0.8	4.15	4°23'	3.3	3.7x1	560	790	54
BSR 0402	4	2	0.8	4.15	8°43'	3.3	2.7x1	420	570	39
BSR 0504	5	4	0.8	5.15	13°53'	4.3	2.7x1	470	720	47
BSR 0601 **	6	1	0.8	6.15	2°58'	5.3	3.7x1	680	1200	75
BSR 0602	6	2	1	6.2	5°52'	5.1	2.7x1	750	1200	58
BSR 0801 **	8	1	0.8	8.15	2°15'	7.3	3.7x1	780	1650	95
BSR 0802 **	8	2	1.5875	8.3	4°23'	6.6	3.7x1	2400	4100	111
BSR 0802.5	8	2.5	1.5875	8	5°41'	6.3	2.7x1	1850	3000	80
BSR 0805	8	5	1.5875	8.3	10°51'	6.6	2.7x1	1850	3000	82

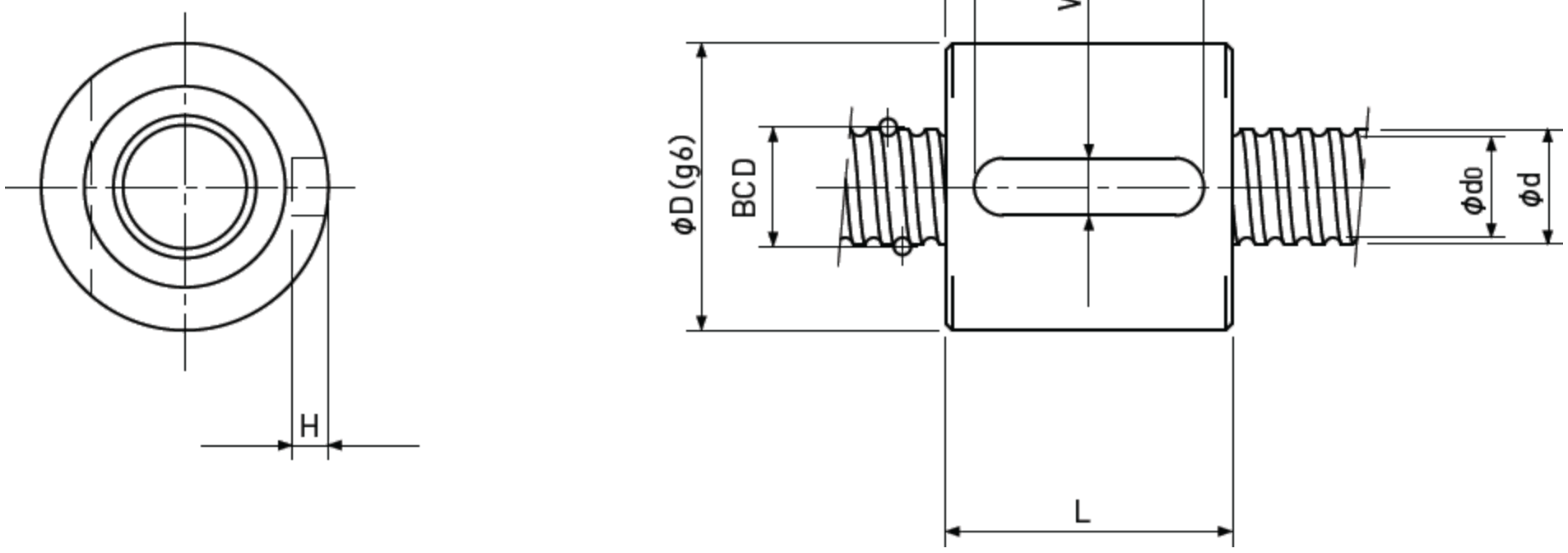
Ball Nut Model number	Nut dimension					
	D	L	W	H	S	S_1
BSR 0401	11	14	3	1.8	8	3
BSR 0402	11	16	3	1.8	8	4
BSR 0504	12	22	3	1.8	12	5
BSR 0601 **	13	14	3	1.8	10	2
BSR 0602	15	15	3	1.8	10	2.5
BSR 0801 **	16	14	3	1.8	10	2
BSR 0802 **	20	20	4	2.5	16	2
BSR 0802.5	16	16	3	1.8	8	4
BSR 0805	18	28	4	2.5	20	4

Note 1) All models are Right-hand screw.
Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter,
because of productlon and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.
Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.
Note 4) Rigidity
The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement
under the Axial load equivalent to 30% of the Basic Dynamic Load Rating Ca.
Note 5) Stainless Rolled Ball Screw
Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.

Rolled Ball Screws

Sleeve type Single Nut

Backlash type



Unit : mm

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d_0	Number of Circuit	Basic Load Rating N		Nut Rigidity N/μm
								Dynamic Ca	Static Coa	
BSR 1002 **	10	2	1.5875	10.3	3°32'	8.6	3.7x1	2700	5300	134
BSR 1004	10	4	2	10.3	7°03'	8.2	2.7x1	3000	5200	104
BSR 1005	10	5	2	10.3	8°47'	8.2	2.7x1	3000	5200	103
BSR 1006	10	6	2	10.3	10°30'	8.2	2.7x1	3000	5000	102
BSR 1202	12	2	1.5875	12.3	2°58'	10.6	3.7x1	3000	6400	156
BSR 1402	14	2	1.5875	14.3	2°33'	12.6	3.7x1	3200	7500	176
BSR 1404	14	4	2.381	14.3	5°05'	11.8	3.7x1	5700	11600	187

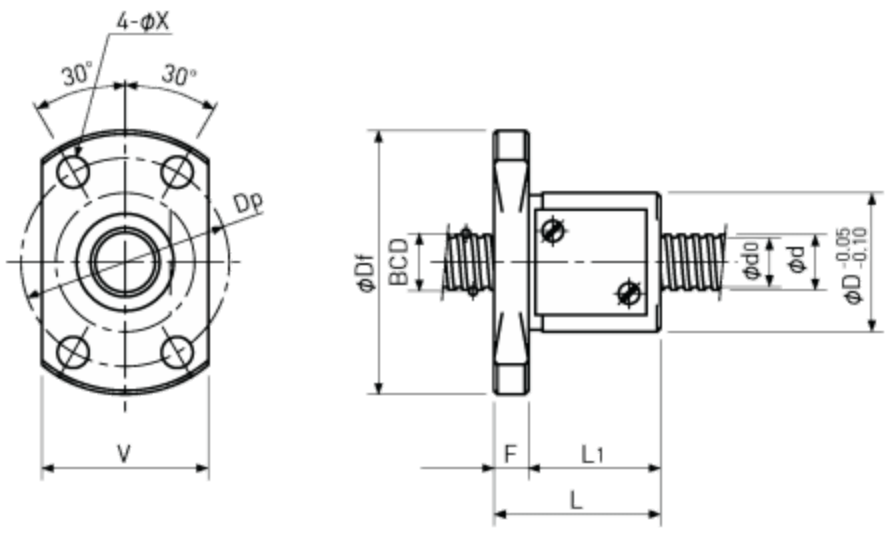
Ball Nut Model number	Nut dimension					
	D	L	W	H	S	S_1
BSR 1002 **	23	20	5	3	16	2.5
BSR 1004	24	26	5	3	20	3
BSR 1005	23	26	5	3	16	5
BSR 1006	26	31	5	3	20	5.5
BSR 1202	25	20	5	3	16	2
BSR 1402	26	20	5	3	16	2
BSR 1404	30	31	5	3	25	3

Note 1) All models are Right-hand screw.
Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter,
because of productlon and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.
Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.
Note 4) Rigidity
The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement
under the Axial load equivalent to 30% of the Basic Dynamic Load Rating Ca.
Note 5) Stainless Rolled Ball Screw
Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.

Rolled Ball Screws

Single Nut with Flange

Backlash type



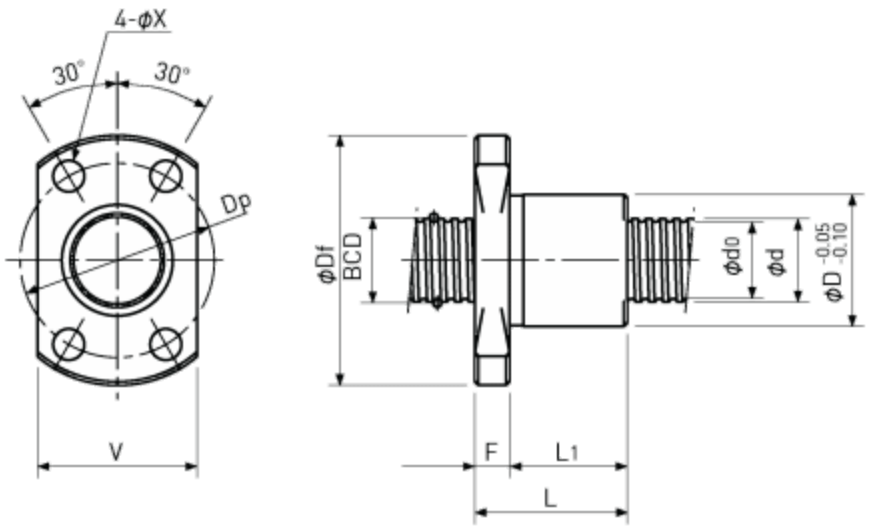
Type-1: Return-plate type

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d0	Number of Circuit	Basic Load Rating N		Nut Rigidity N/μm
								Dynamic Ca	Static Coa	
MRB 0401	4	1	0.8	4.15	4°23’	3.3	3.7×1	560	790	54
MRB 0402	4	2	0.8	4.15	8°43’	3.3	2.7×1	420	570	39
MRB 0504	5	4	0.8	5.15	13°53’	4.3	2.7×1	470	720	47
MRB 0601 **	6	1	0.8	6.15	2°58’	5.3	3.7×1	680	1200	75
MRB 0602	6	2	1.0	6.20	5°52’	5.1	2.7×1	750	1200	58
MRB 0606	6	6	1.0	6.30	16°52’	5.2	1.6×2	870	1450	67
MRB 0610	6	10	1.2	6.30	26°48’	5.0	1.2×2	950	1600	50
MRB 0801 **	8	1	0.8	8.15	2°15’	7.3	3.7×1	780	1650	95
MRB 0802 **	8	2	1.5875	8.30	4°23’	6.6	3.7×1	2400	4100	111
MRB 0802.5	8	2.5	1.5875	8.00	5°41’	6.3	2.7×1	1850	3000	80
MRB 0805	8	5	1.5875	8.30	10°51’	6.6	2.7×1	1850	3000	82
MRB 0808	8	8	1.5875	8.40	16°52’	6.7	1.6×2	2200	3800	95
MRB 0810	8	10	1.5875	8.40	20°45’	6.7	1.6×2	2200	3800	92
MRB 0812	8	12	1.5875	8.40	24°27’	6.7	1.6×2	2200	4000	90
MRB 1002 **	10	2	1.5875	10.30	3°32’	8.6	3.7×1	2700	5300	134
MRB 1004	10	4	2.0	10.30	7°03’	8.2	2.7×1	3000	5200	104
MRB 1005	10	5	2.0	10.30	8°47’	8.2	2.7×1	3000	5200	103
MRB 1006	10	6	2.0	10.30	10°30’	8.2	2.7×1	3000	5000	102
MRB 1010	10	10	2.0	10.50	16°52’	8.4	1.6×2	3300	5900	117
MRB 1012	10	12	2.0	10.50	19°59’	8.4	1.6×2	3300	6200	115
MRB 1015	10	15	2.0	10.50	24°27’	8.4	1.6×2	3300	6400	110
MRB 1020	10	20	1.5875	10.40	31°28’	8.7	0.7×4	2100	4000	88

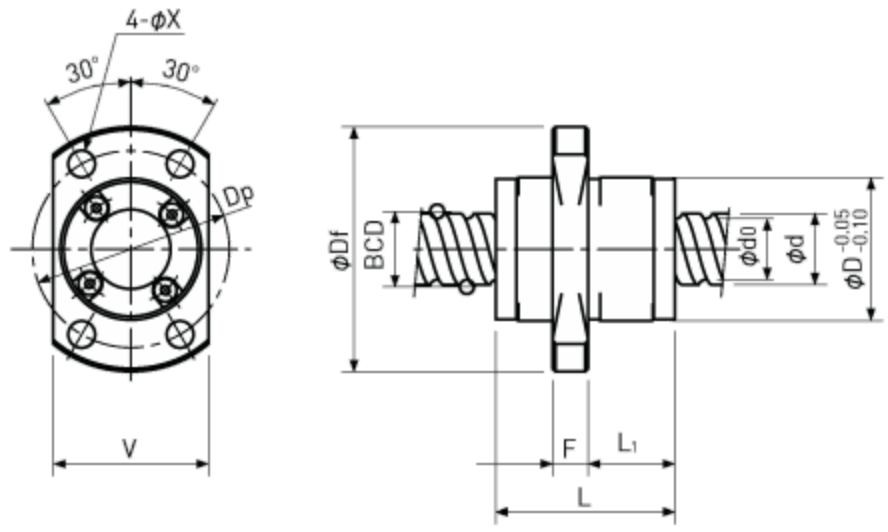
Rolled Ball Screws

Single Nut with Flange

Backlash type



Type-2: End-deflector type



Type-3: End-cap type or End-deflector type

Ball Nut Model number	Nut dimension									
	Nut type	D	Df	L	L_1	F	W	V	Dp	Bolt Hole X
MRB 0401	1	11	23	17	13	4	-	15	17	3.4
MRB 0402	1	11	23	19	15	4	-	15	17	3.4
MRB 0504	1	12	24	22	18	4	-	16	18	3.4
MRB 0601 **	1	13	26	17	13	4	-	16	20	3.4
MRB 0602	1	15	28	17	13	4	-	19	22	3.4
MRB 0606	3	14	27	17	8	4	-	16	21	3.4
MRB 0610	3	14	27	23	11.5	4	-	16	21	3.4
MRB 0801 **	1	16	29	17	13	4	-	18	23	3.4
MRB 0802 **	1	20	37	24	19	5	-	22	29	4.5
MRB 0802.5	2	16	29	16	12	4	-	18	23	3.4
MRB 0805	1	18	31	28	24	4	-	20	25	3.4
MRB 0808	3	18	31	20	10	4	-	20	25	3.4
MRB 0810	3	18	31	24	13	4	-	20	25	3.4
MRB 0812	3	18	31	27	17	4	-	20	25	3.4
MRB 1002 **	1	23	40	24	19	5	-	25	32	4.5
MRB 1004	1	24	41	28	23	5	-	26	33	4.5
MRB 1005	2	23	40	26	21	5	-	25	32	4.5
MRB 1006	1	26	42	33	28	5	-	28	34	4.5
MRB 1010	3	23	40	24	13	5	-	25	32	4.5
MRB 1012	3	23	40	28	17	5	-	25	32	4.5
MRB 1015	3	23	40	33	22	5	-	25	32	4.5
MRB 1020	3	20	37	23	13	5	-	22	29	4.5

Note 1) All models are Right-hand screw.

Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter, because of production and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.

Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.

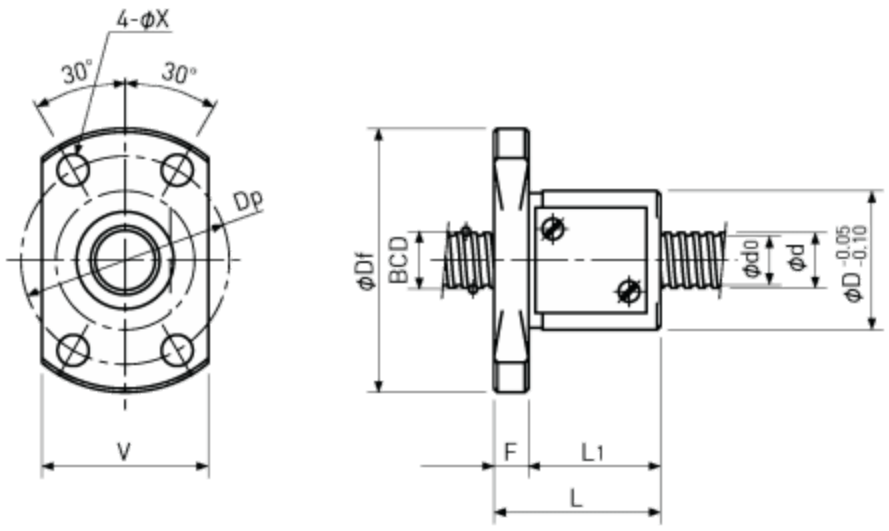
Note 4) **Rigidity:** The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement under the Axial load equivalent to 30% of the Basic Dynamic Load Rating Ca.
For Axial load condition other than the above, see the formula in p-A823, you can calculate Rigidity using this formula.

Note 5) **Stainless Rolled Ball Screw:** Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.

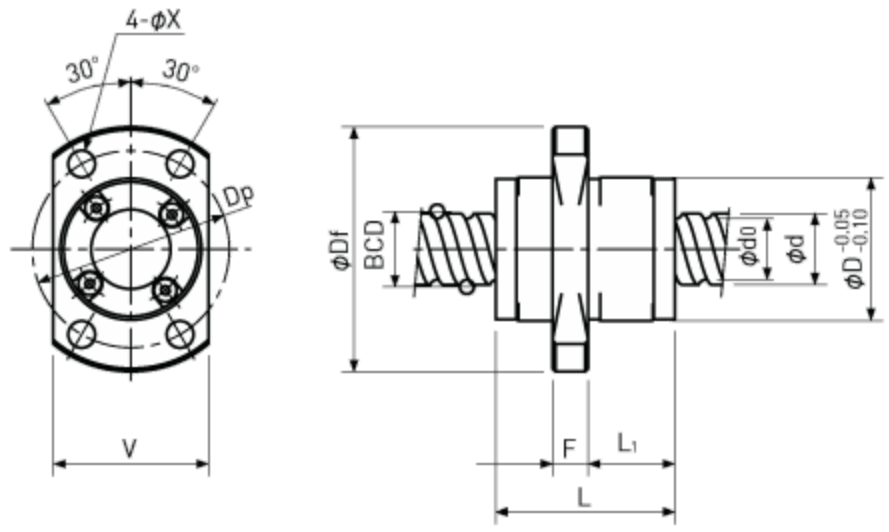
Rolled Ball Screws

Single Nut with Flange

Backlash type



Type-1: Return-plate type



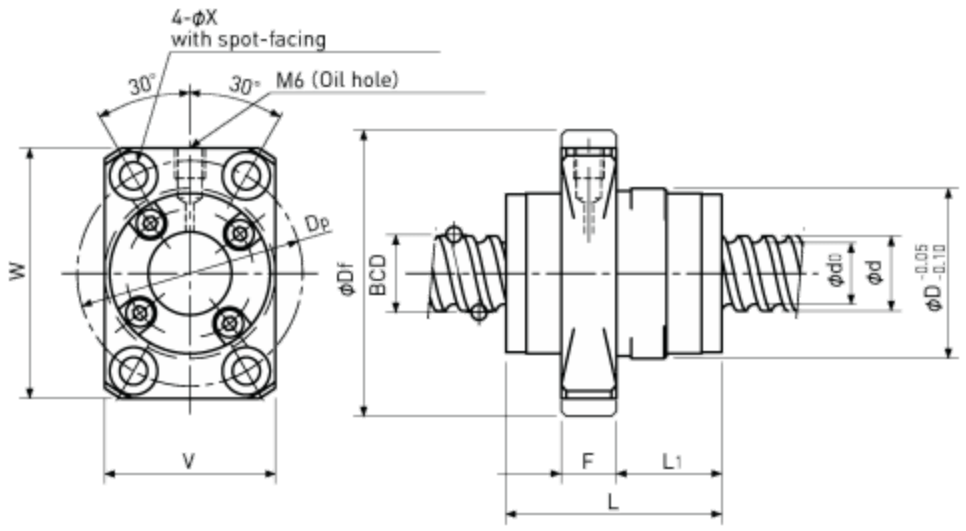
Type-3: End-cap type or End-deflector type

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d0	Number of Circuit	Basic Load Rating N		Nut Rigidity N/μm
								Dynamic Ca	Static Coa	
MRB 1202	12	2	1.5875	12.30	2°58′	10.6	3.7×1	3000	6400	156
MRB 1210	12	10	2.381	12.65	14°07′	10.2	1.7×2	5100	9800	152
MRB 1312	13	12	2.381	13.50	15°48′	11.0	1.6×2	5000	9900	151
MRB 1315	13	15	2.381	13.50	19°29′	11.0	1.6×2	5000	10300	147
MRB 1320	13	20	2.381	13.50	25°15′	11.0	1.6×2	5000	10700	142
MRB 1402	14	2	1.5875	14.30	2°33′	12.6	3.7×1	3200	7500	176
MRB 1404	14	4	2.381	14.30	5°05′	11.8	3.7×1	5700	11600	187
MRB 1505(1)	15	5	3.175	15.50	5°41′	12.2	3.7×1	8900	17000	208
MRB 1505(2)	15	5	3.175	15.50	5°41′	12.2	3.7×1	8900	17000	208
MRB 1510(1)	15	10	3.175	15.50	11°36′	12.2	2.7×2	12000	25000	289
MRB 1510(2)	15	10	3.175	15.50	11°36′	12.2	2.7×2	12000	25000	289
MRB 1520(1)	15	20	3.175	15.75	22°01′	12.7	1.7×2	8000	16000	178
MRB 1520(2)	15	20	3.175	15.75	22°01′	12.7	1.7×2	8000	16000	178

Rolled Ball Screws

Single Nut with Flange

Backlash type



Type-4: End-deflector type

Ball Nut Model number	Nut dimension									
	Nut type	D	Df	L	L_1	F	W	V	Dp	Bolt Hole X
MRB 1202	1	25	42	24	19	5	—	27	34	4.5
MRB 1210	3	24	41	30	14.5	6	—	26	33	4.5
MRB 1312	3	28	45	30	17	5	—	30	37	4.5
MRB 1315	3	28	45	35	22	5	—	30	37	4.5
MRB 1320	3	28	45	43	29	5	—	30	37	4.5
MRB 1402	1	26	45	25	19	6	—	28	36	5.5
MRB 1404	1	30	49	33	27	6	—	32	40	5.5
MRB 1505(1)	4	32	55	33	16	11	49	33	43	5.5
MRB 1505(2)	4	34	57	33	16	11	50	34	45	5.5
MRB 1510(1)	4	32	55	43	21	11	49	33	43	5.5
MRB 1510(2)	4	34	57	43	21	11	50	34	45	5.5
MRB 1520(1)	4	32	55	52	28.5	11	49	33	43	5.5
MRB 1520(2)	4	34	57	52	28.5	11	50	34	45	5.5

Note 1) All models are Right-hand screw.

Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter, because of production and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.

Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.

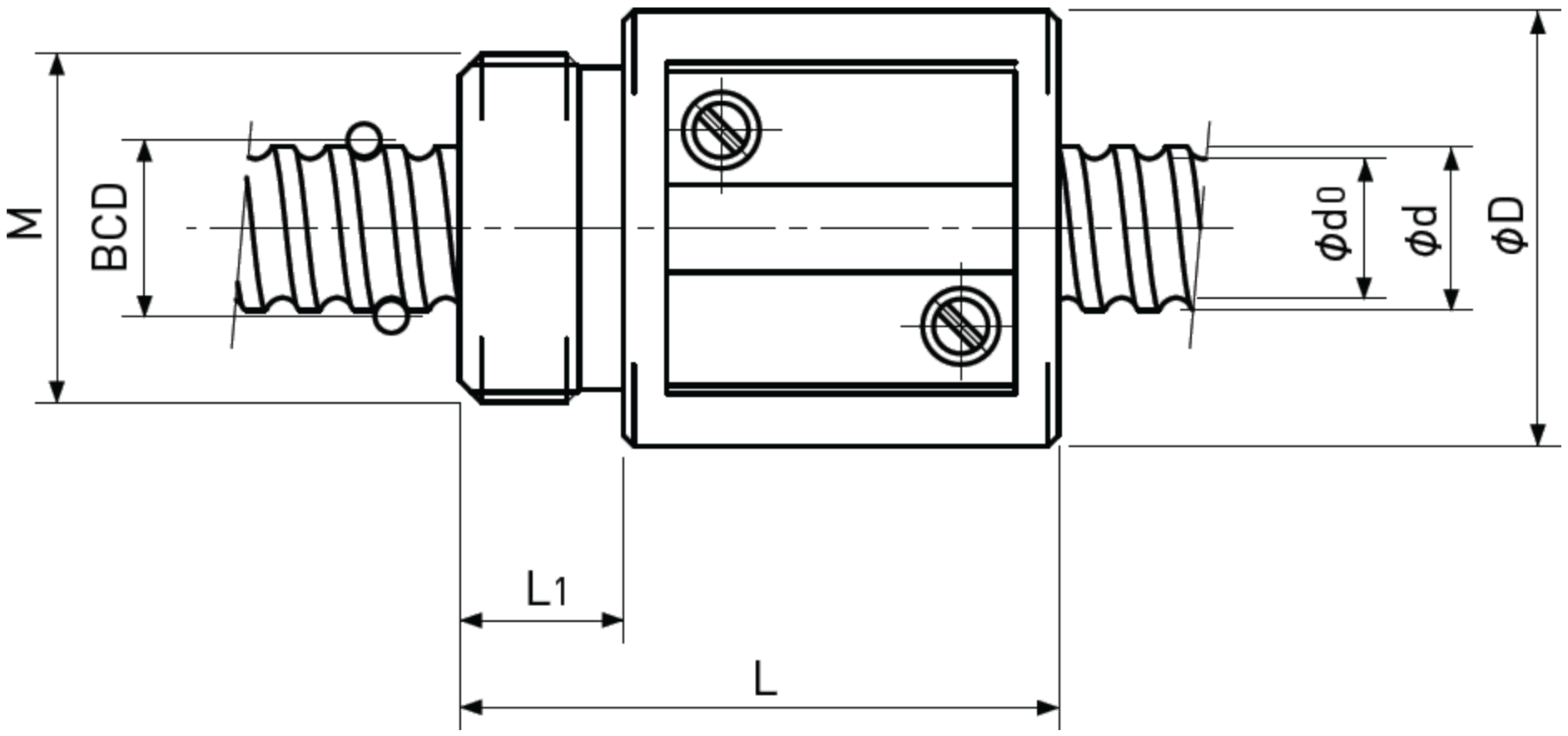
Note 4) **Rigidity:** The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement under the Axial load equivalent to 30% of the Basic Dynamic Load Rating Ca.
For Axial load condition other than the above, see the formula in p-A823, you can calculate Rigidity using this formula.

Note 5) **Stainless Rolled Ball Screw:** Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.

Rolled Ball Screws

Single Nut with M-thread

Backlash type



Type-1: Return-plate type

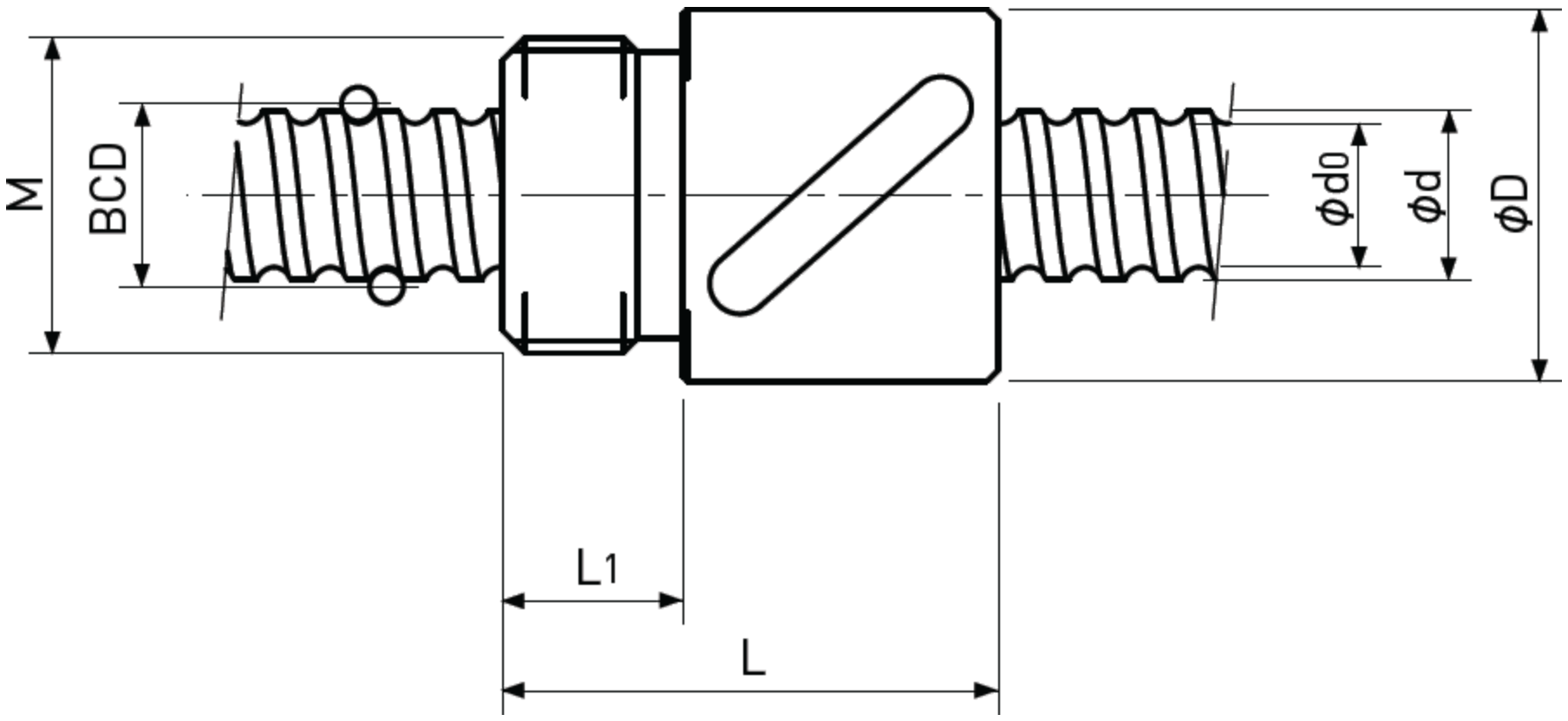
Unit : mm

Ball Nut Model number	Shaft nominal dia. d	Lead	Ball size	BCD	Lead angle	Root dia. d_0	Number of Circuit	Basic Load Rating N		Nut Rigidity N/μm
								Dynamic Ca	Static Coa	
MSR 0401 B	4	1	0.8	4.15	4°23'	3.3	3.7x1	560	790	54
MSR 0802 B **	8	2	1.5875	8.3	4°23'	6.6	3.7x1	2400	4100	111
MSR 0802.5 T(1)	8	2.5	1.5875	8	5°41'	6.3	3.5x1	2300	3900	102
MSR 0802.5 T(2)	8	2.5	1.5875	8	5°41'	6.3	3.5x1	2300	3900	102
MSR 0805 A	8	5	1.5875	8.3	10°51'	6.6	2.7x1	1850	3000	82
MSR 1002 B **	10	2	1.5875	10.3	3°32'	8.6	3.7x1	2700	5300	134
MSR 1202 B	12	2	1.5875	12.3	2°58'	10.6	3.7x1	3000	6400	156
MSR 1402 B	14	2	1.5875	14.3	2°33'	12.6	3.7x1	3200	7500	176
MSR 1404 B	14	4	2.381	14.3	5°05'	11.8	3.7x1	5700	11600	187

Rolled Ball Screws

Single Nut with M-thread

Backlash type



Type-2: Return-tube type

Ball Nut Model number	Nut dimension				
	Nut type	D	L	L_1	M
MSR 0401 B	1	11	17	4	M9x0.75
MSR 0802 B **	1	20	27.5	7.5	M16x1.0
MSR 0802.5 T(1)	2	16.5	22	8	M14x1.0
MSR 0802.5 T(2)	2	17.5	25.5	7.5	M15x1.0
MSR 0805 A	1	18	32.5	7.5	M15x1.0
MSR 1002 B **	1	23	27.5	7.5	M17x1.0
MSR 1202 B	1	25	30	10	M20x1.0
MSR 1402 B	1	26	30	10	M22x1.5
MSR 1404 B	1	30	38	10	M25x1.0

Note 1) All models are Right-hand screw.
Note 2) The diameter of the Screw Shaft both ends must be less than the Screw Shaft Root diameter, because of productlon and Nut assembly reason. If bigger end-journal than Shaft diameter is required, please consult ABSSAC.
Note 3) Ball Nut dimension is without seal at the both ends. All type of Ball Nuts cannot equip with seals.
Note 4) Rigidity
The Rigidity values shown in the table are theoretical values calculated from the amount of Elastic Displacement under the Axial load equivalent to 30% of the Basic Dynamic Load Rating Ca.
Note 5) Stainless Rolled Ball Screw
Stainless Rolled Ball Screw is available for Ball Nut Model Number marked **.

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

SR 06 01 — 300 R 300 C7
① ② ③ ④ ⑤ ⑥ ⑦

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.

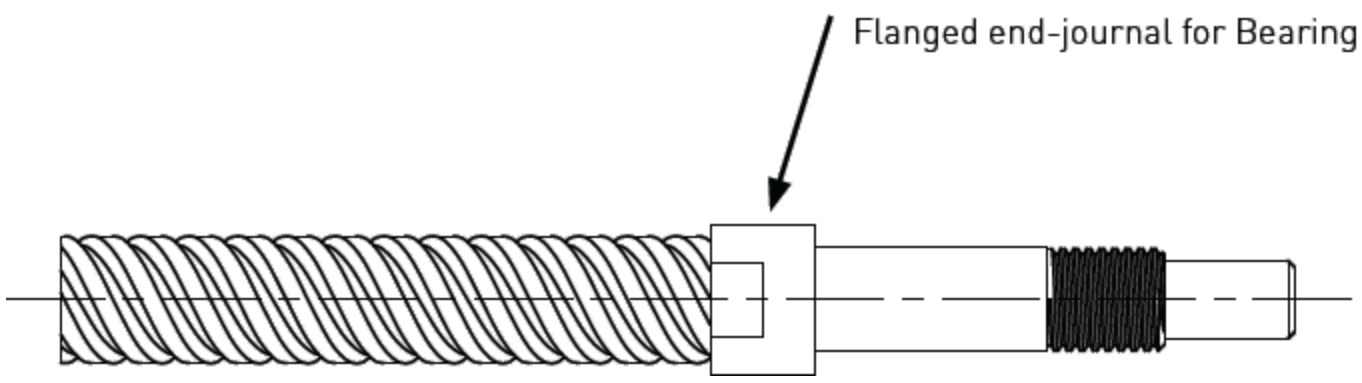
Products	Material	Heat treatment	Surface hardness
Rolled Ball Screws (SR series)	Shaft : SCM415 or SUJ2	Carburizing and Quenching or Quenching & Tempering	HRC58 or more
	Nut : SCM415	Carburizing and Quenching	
Stainless Rolled Ball Screws (SSR series)	Shaft : SUS440C	Induction hardening	HRC55 or more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

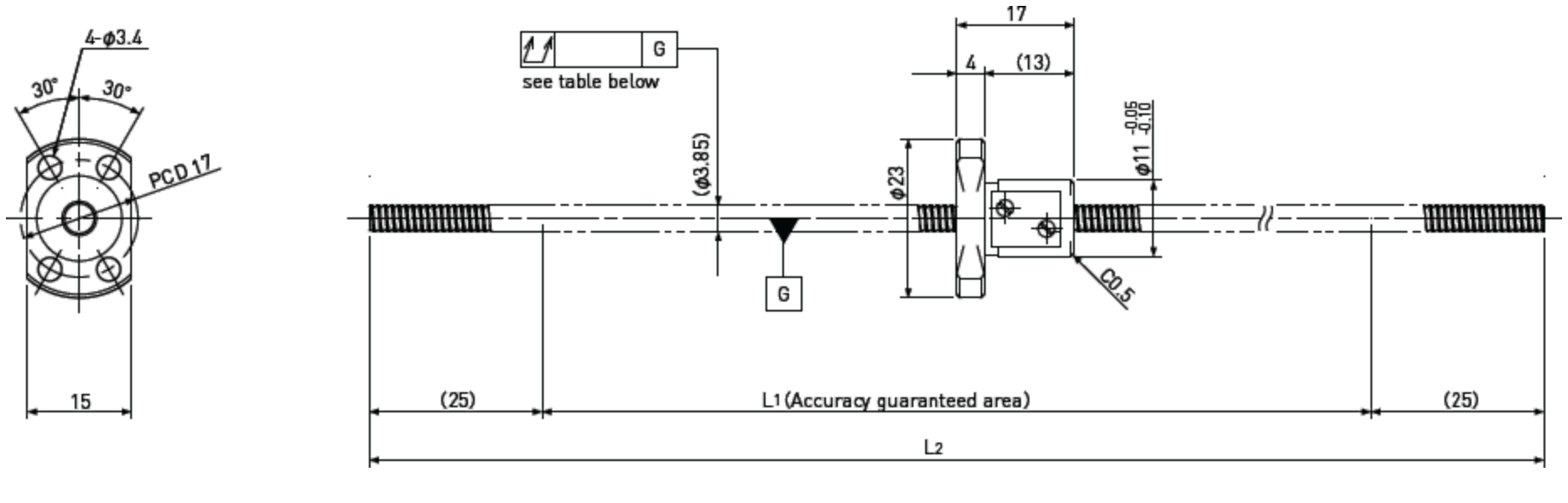
Others

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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

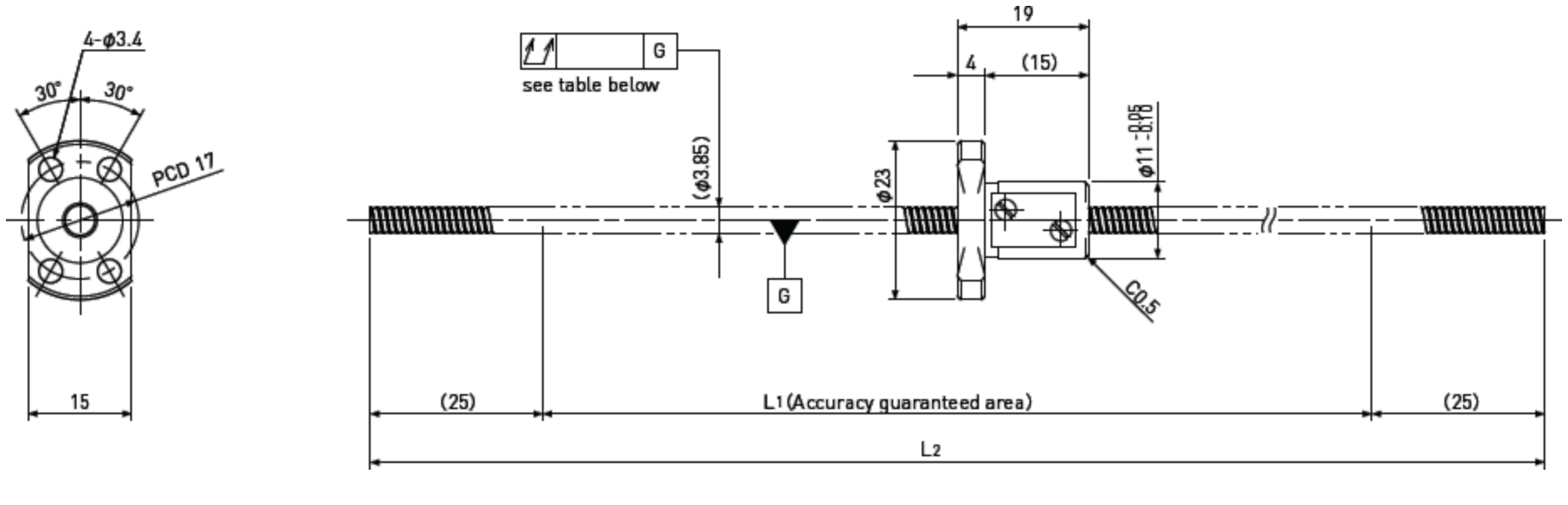
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

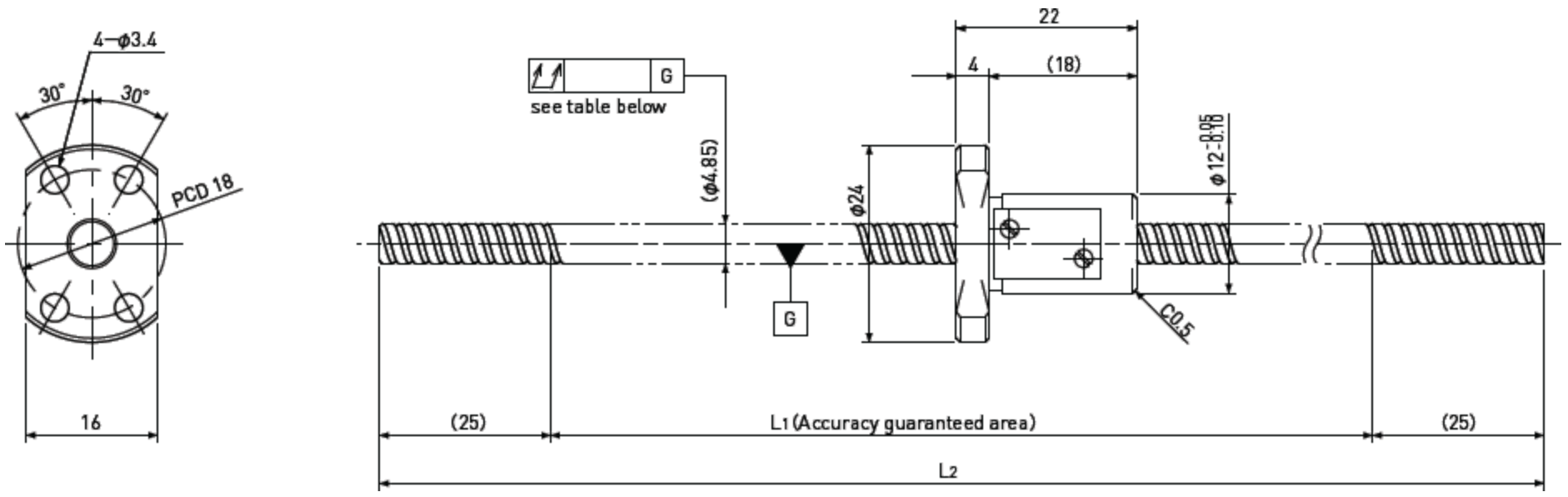
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

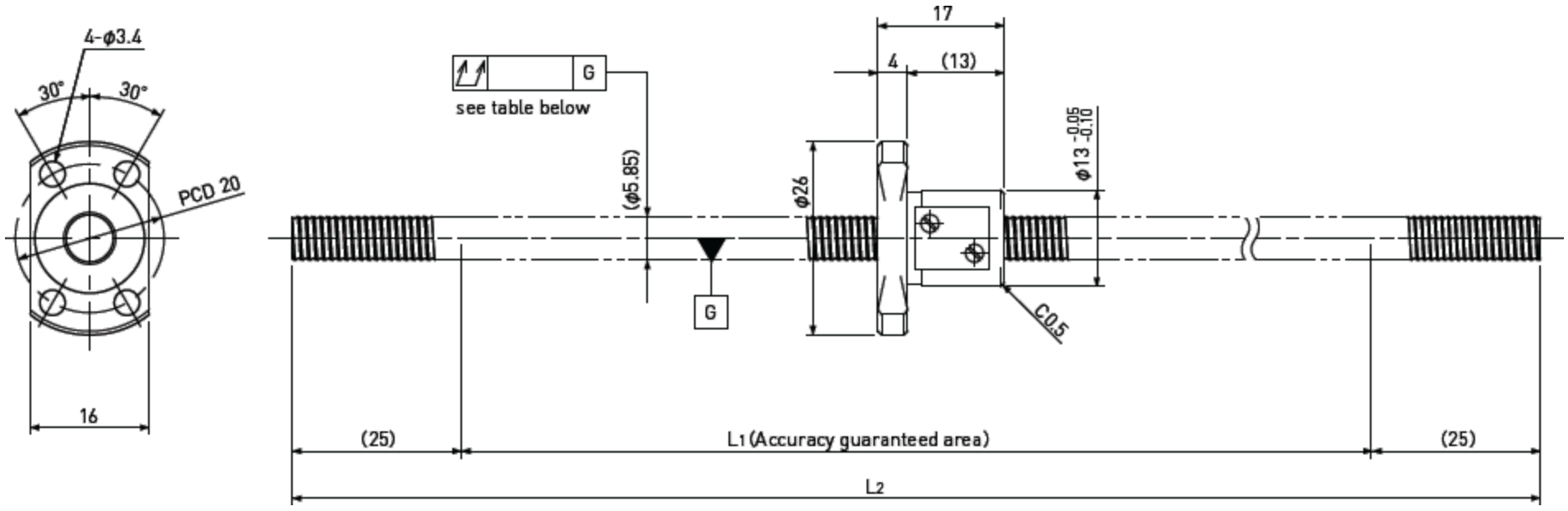
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

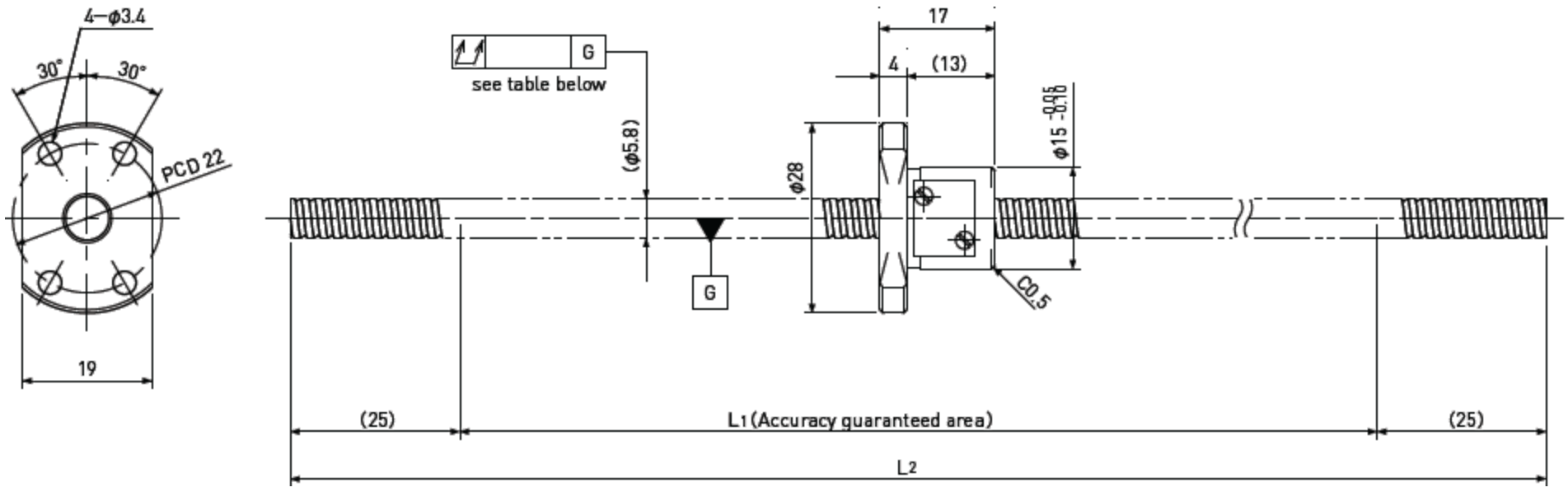
Unit : mm

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
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. ø6 | Lead 2mm | Ct7&Ct10



Unit : mm

Ball Screw Specifications	
Ball size	ø1.0
Number of thread	1
Thread direction	Right
Shaft root dia.	ø5.1
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 //	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.

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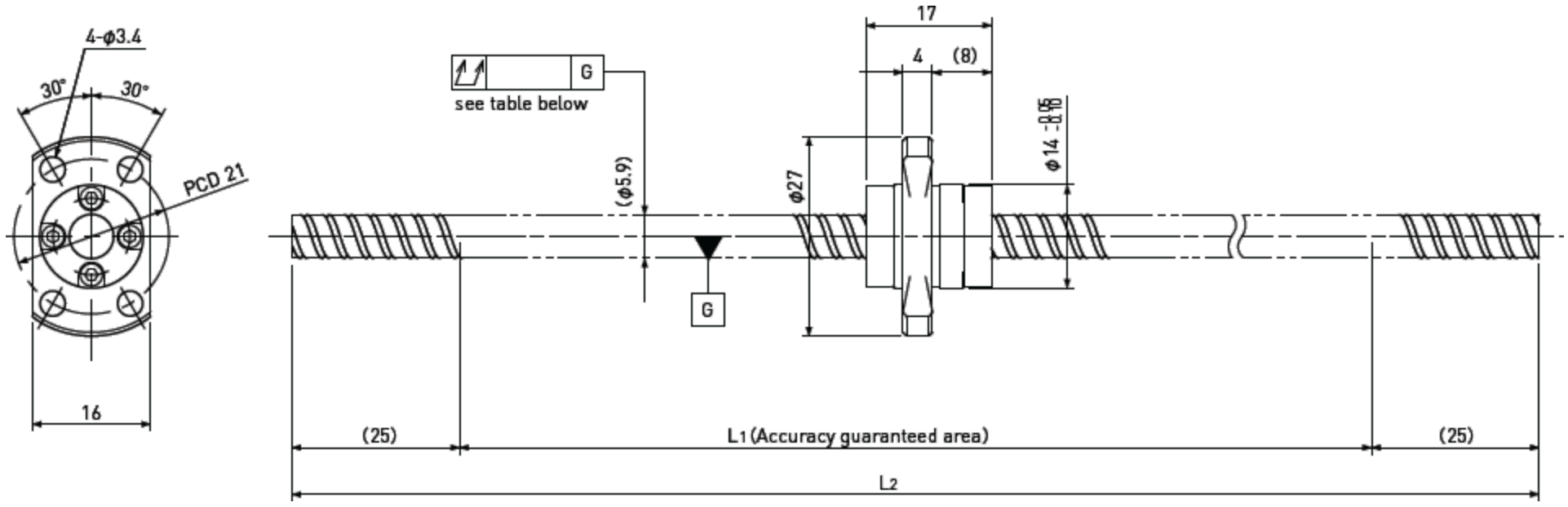
Standard products in stock SR series

SR0606 | Shaft dia. ø6 | Lead 6mm | Ct7&Ct10



Unit : mm

Ball Screw Specifications	
Ball size	ø1.0
Number of thread	2
Thread direction	Right
Shaft root dia.	ø5.2
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 //	Axial play	Preload Torque Nm	Basic Load Rating N	
			L_1	L_2	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
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.

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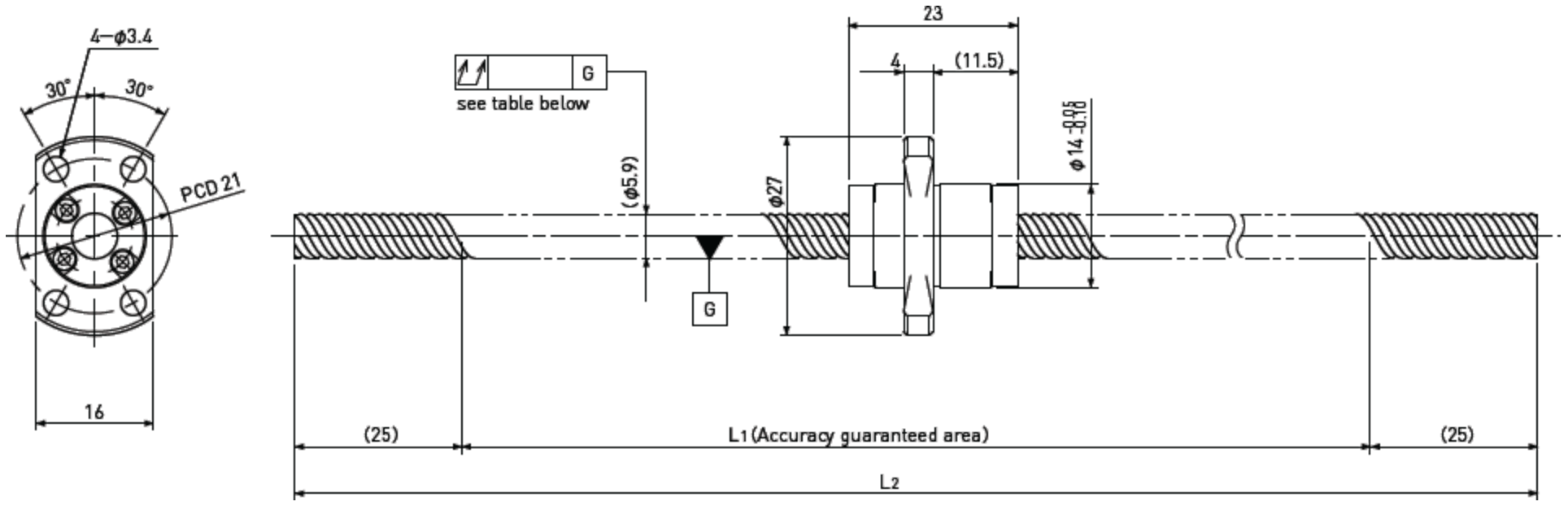
PRECISION MOTION SINCE 1982

Standard products in stock SR series

SR0610 | 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

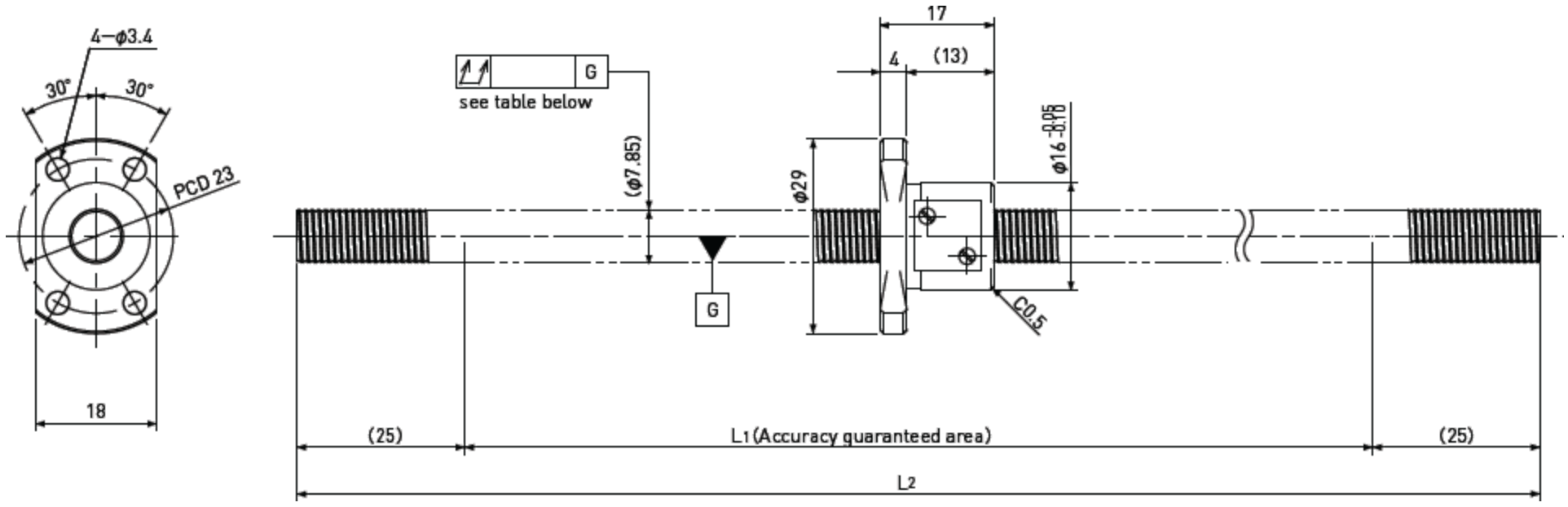
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

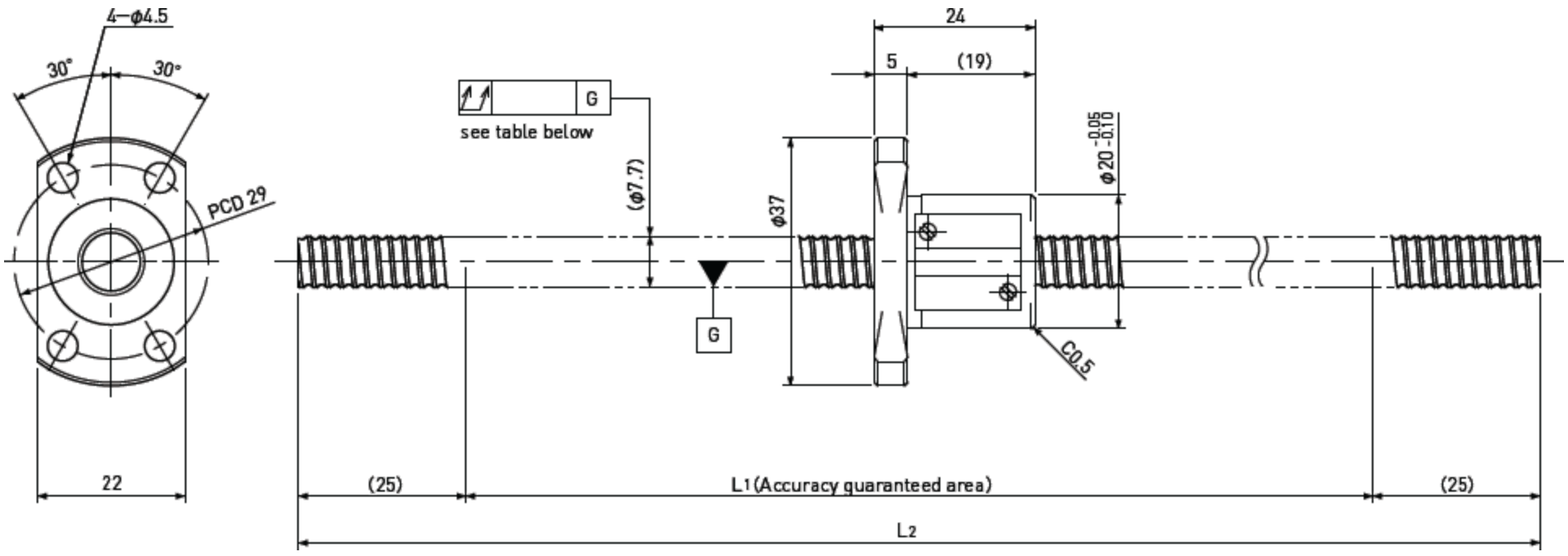
Unit : mm

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
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

SR0802 | 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

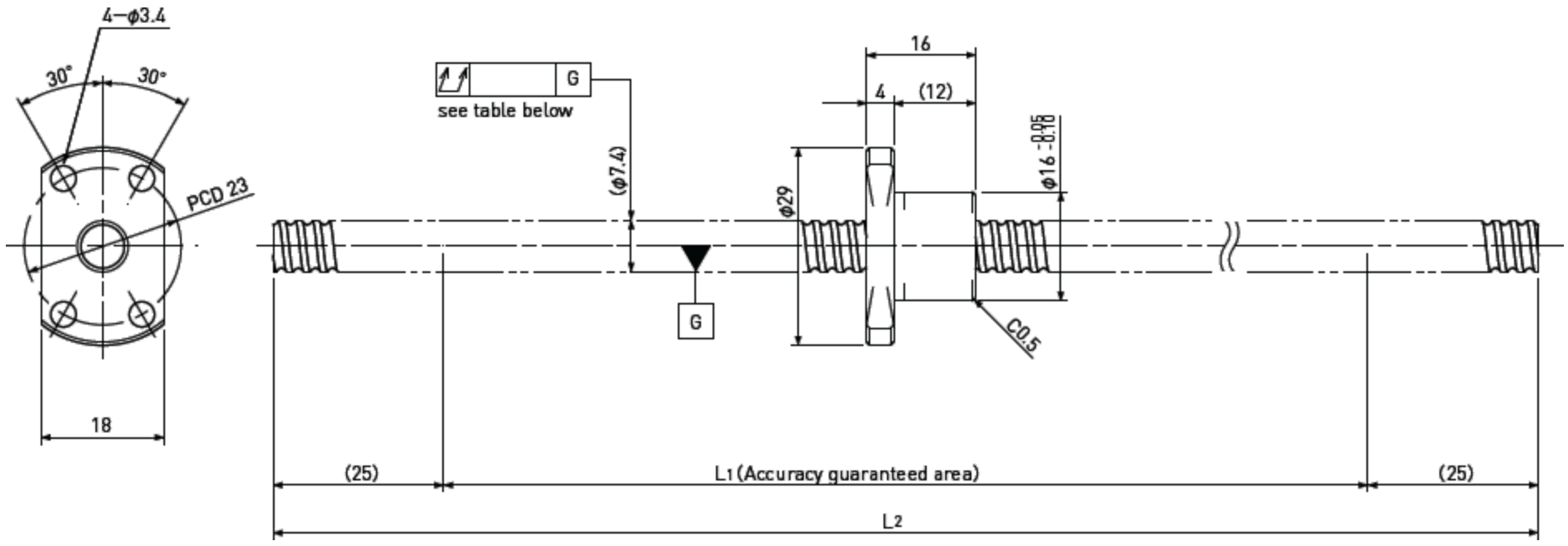
Unit : mm

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			

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

Standard products in stock SR series

SR0802.5 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

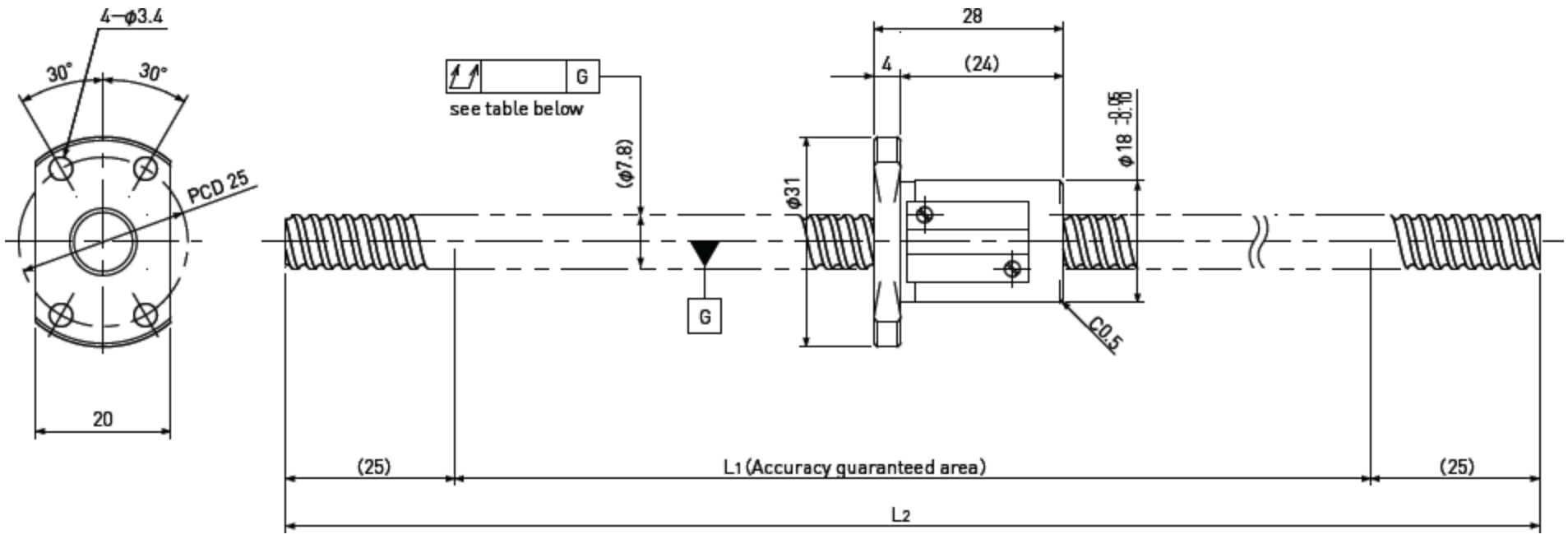
Unit : mm

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
SR0802.5-400R400C7	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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

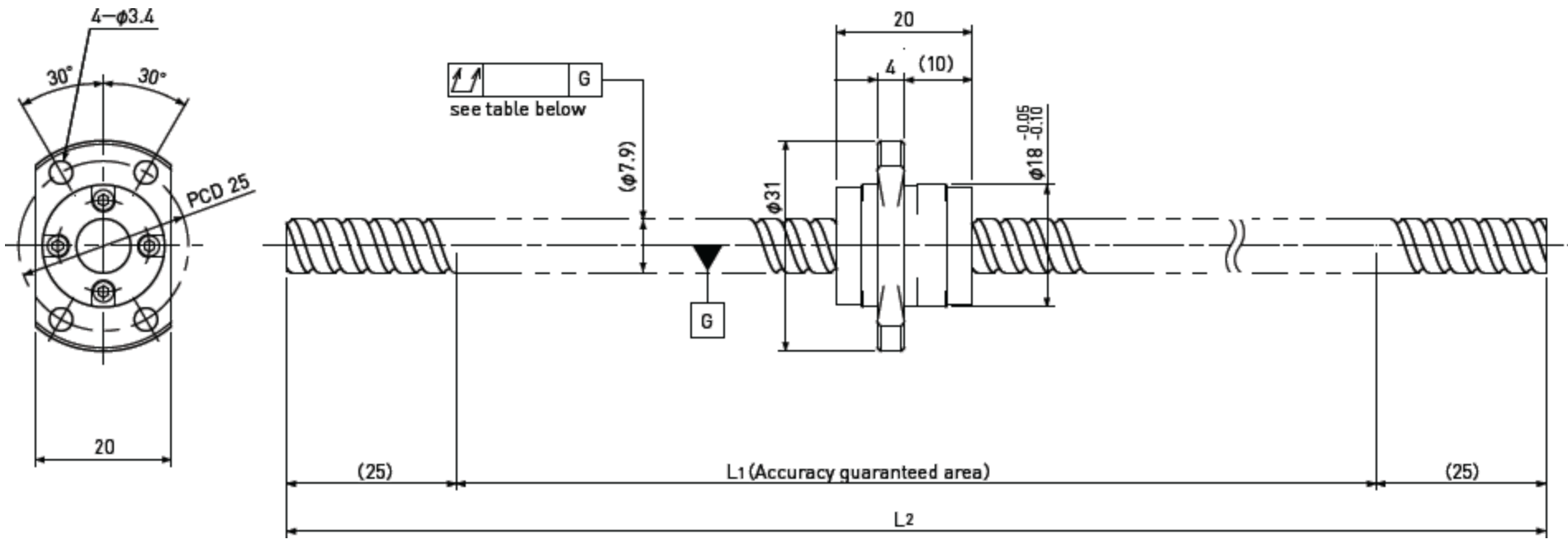
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

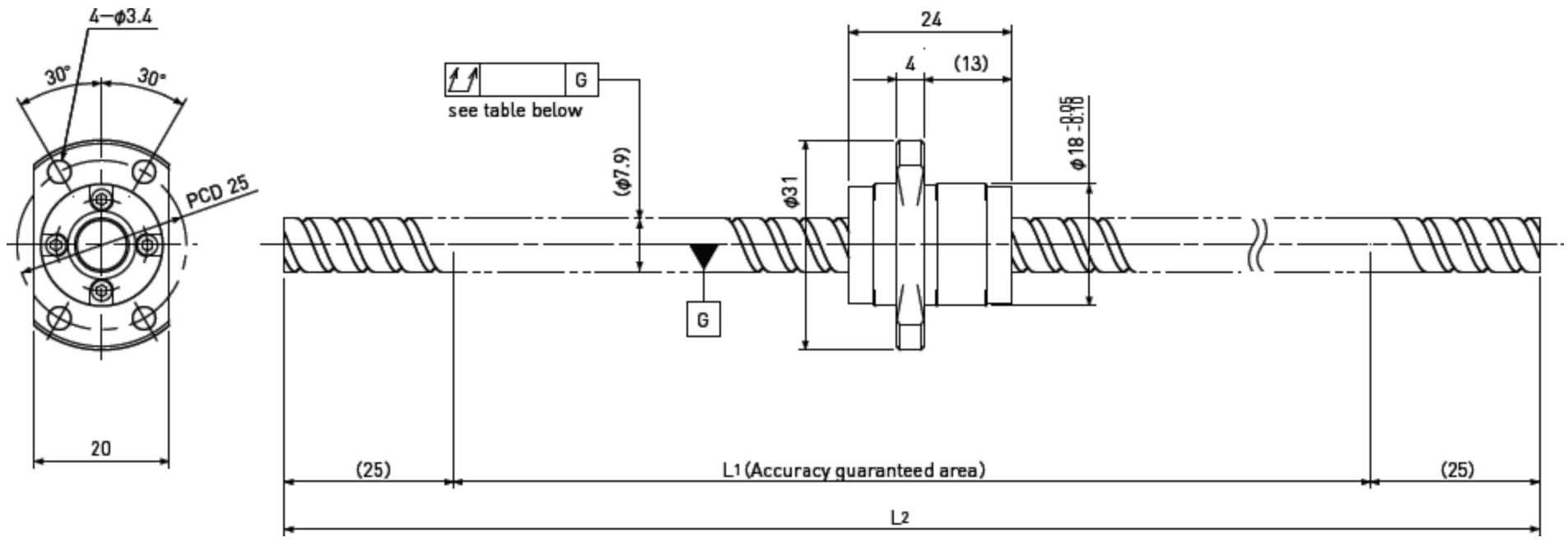
Unit : mm

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
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. ø8 | Lead 10mm | 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

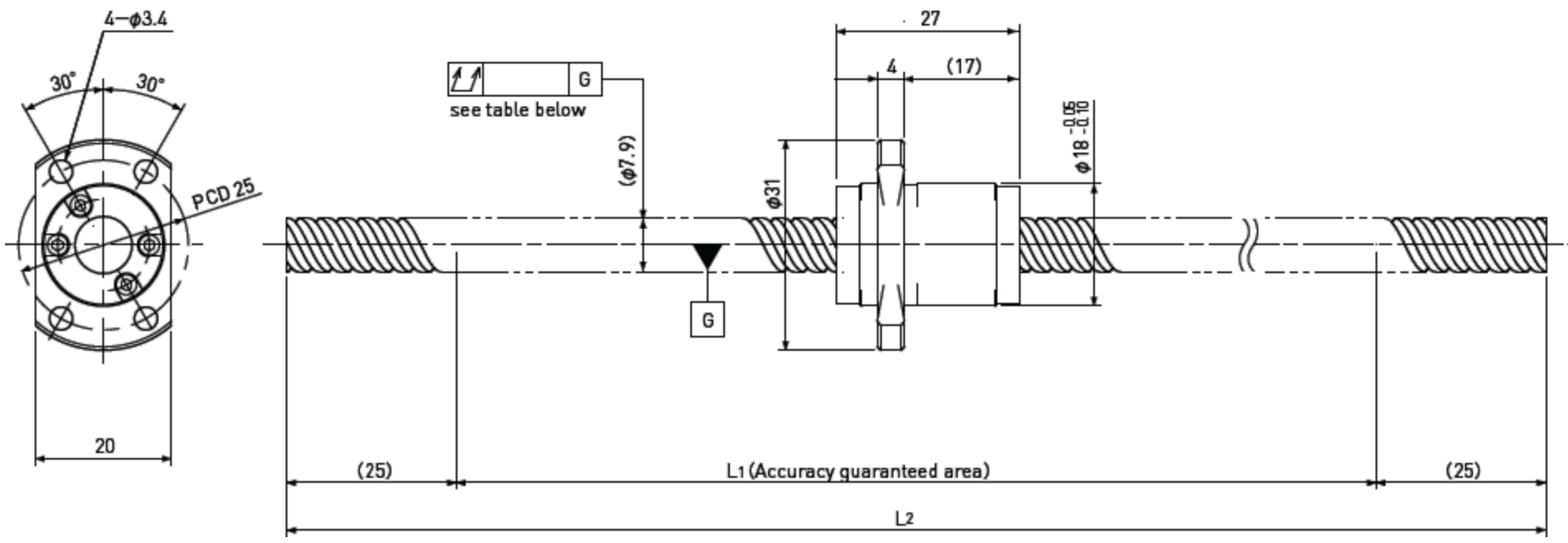
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

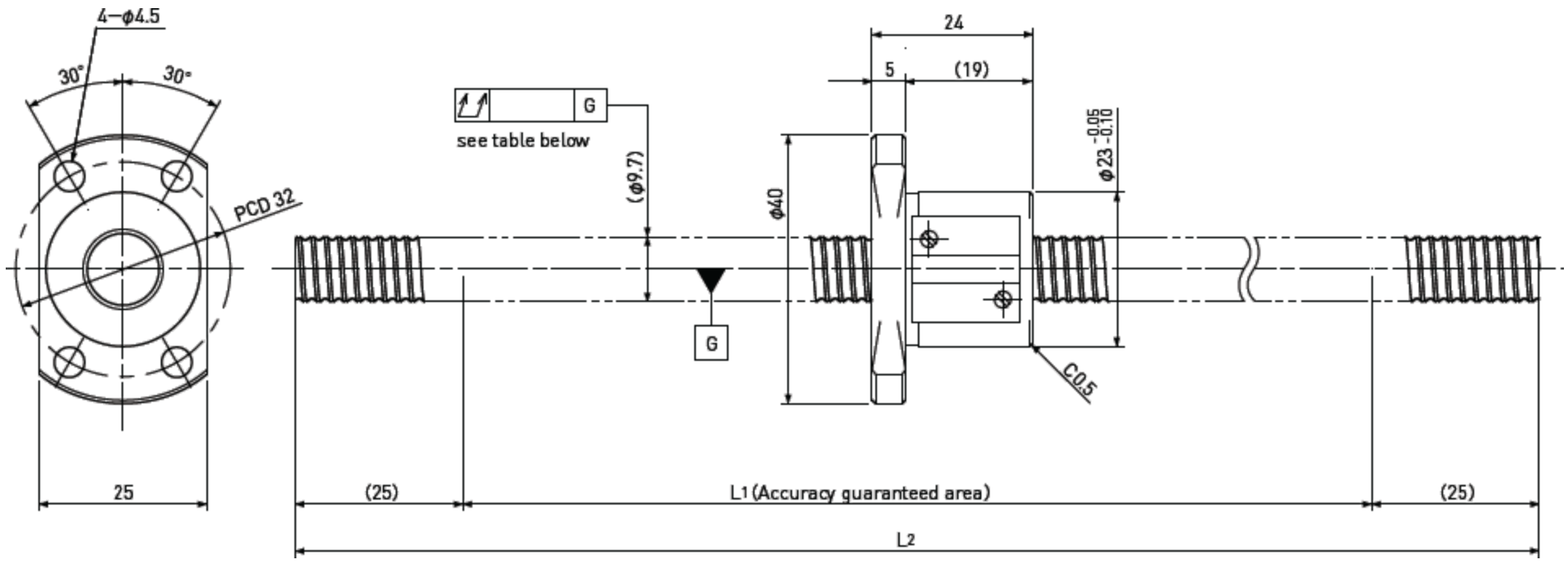
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

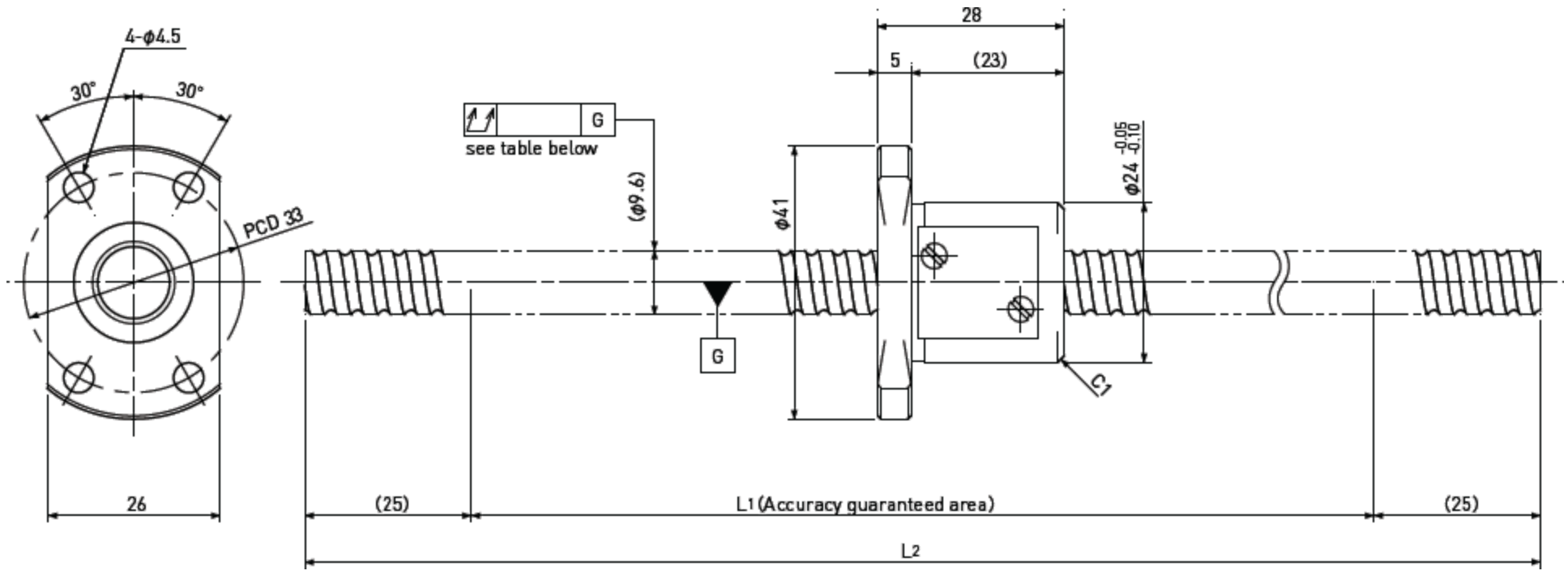
Unit : mm

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
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. ø10 Lead 4mm 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

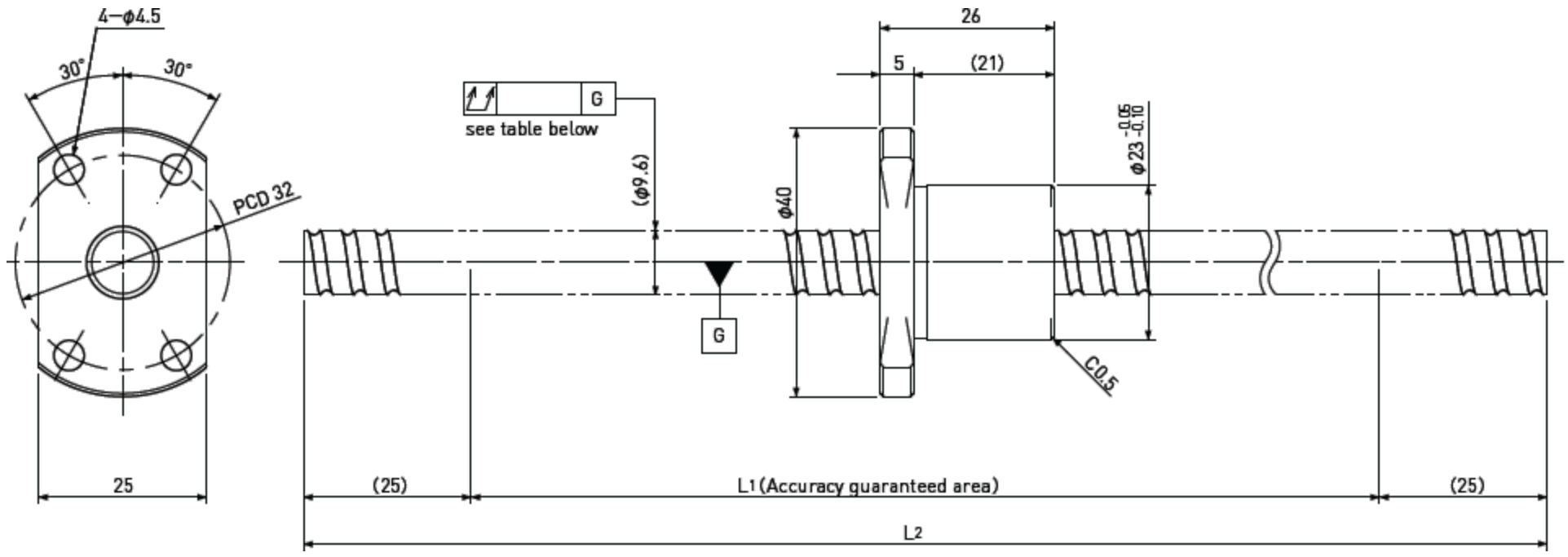
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

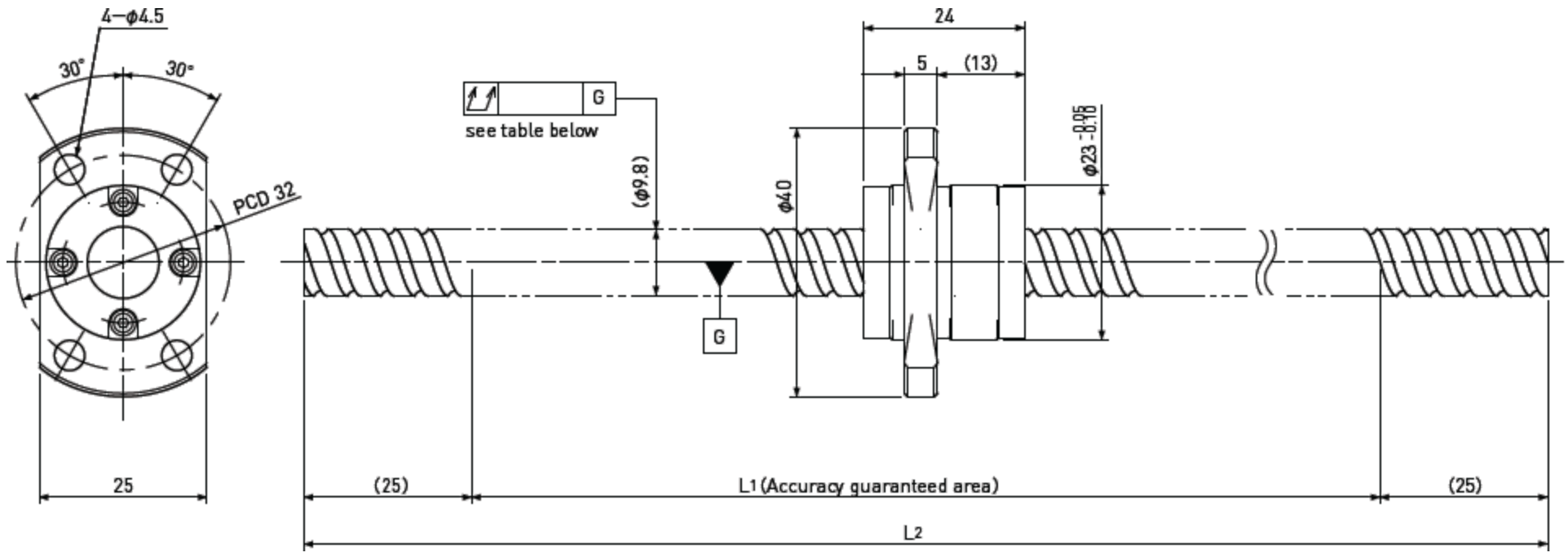
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

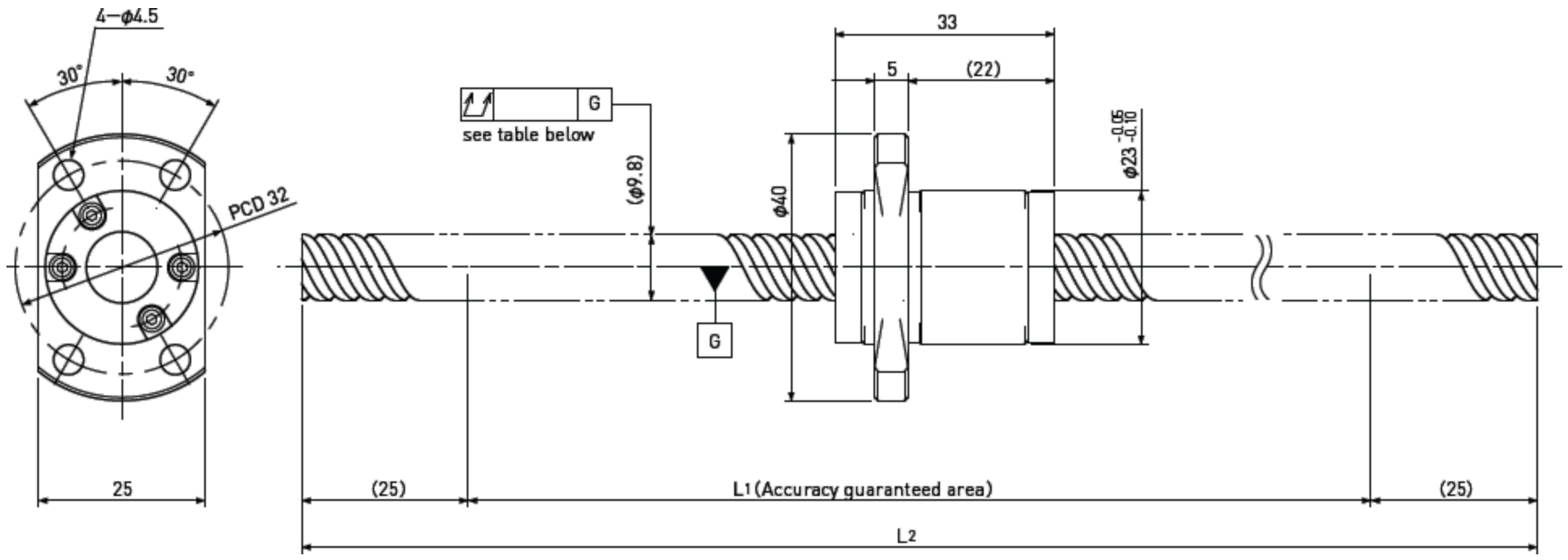
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

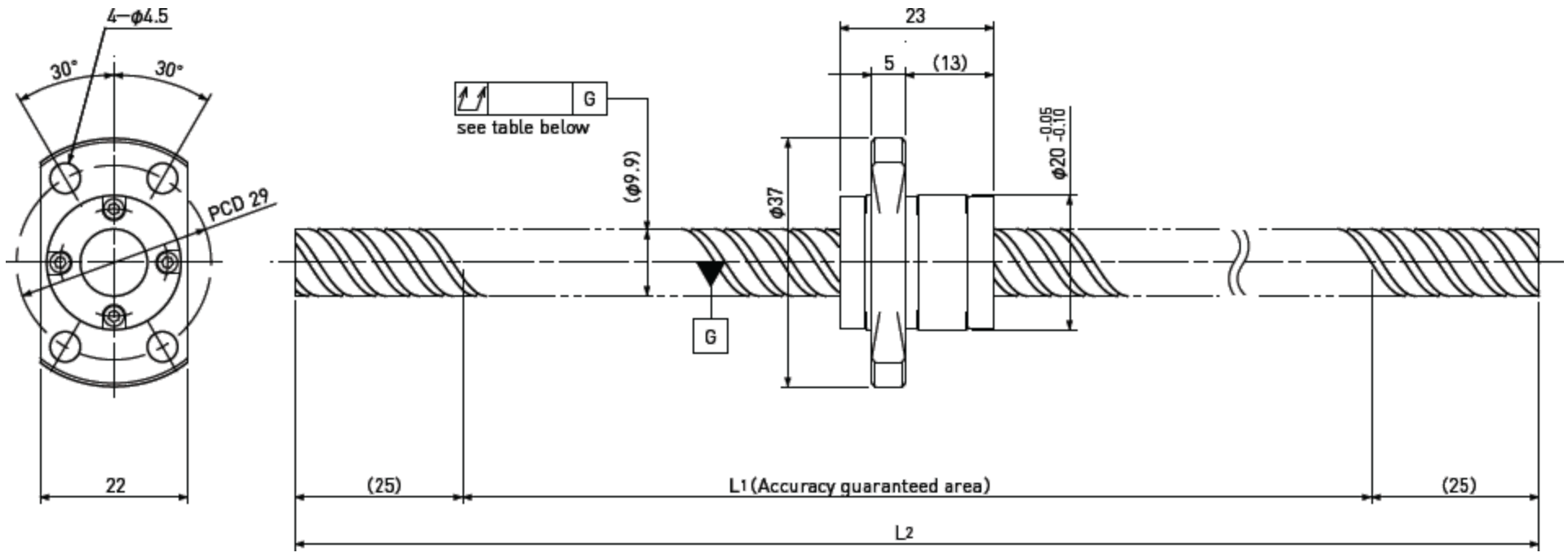
Unit : mm

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
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. 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	0.7×4
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

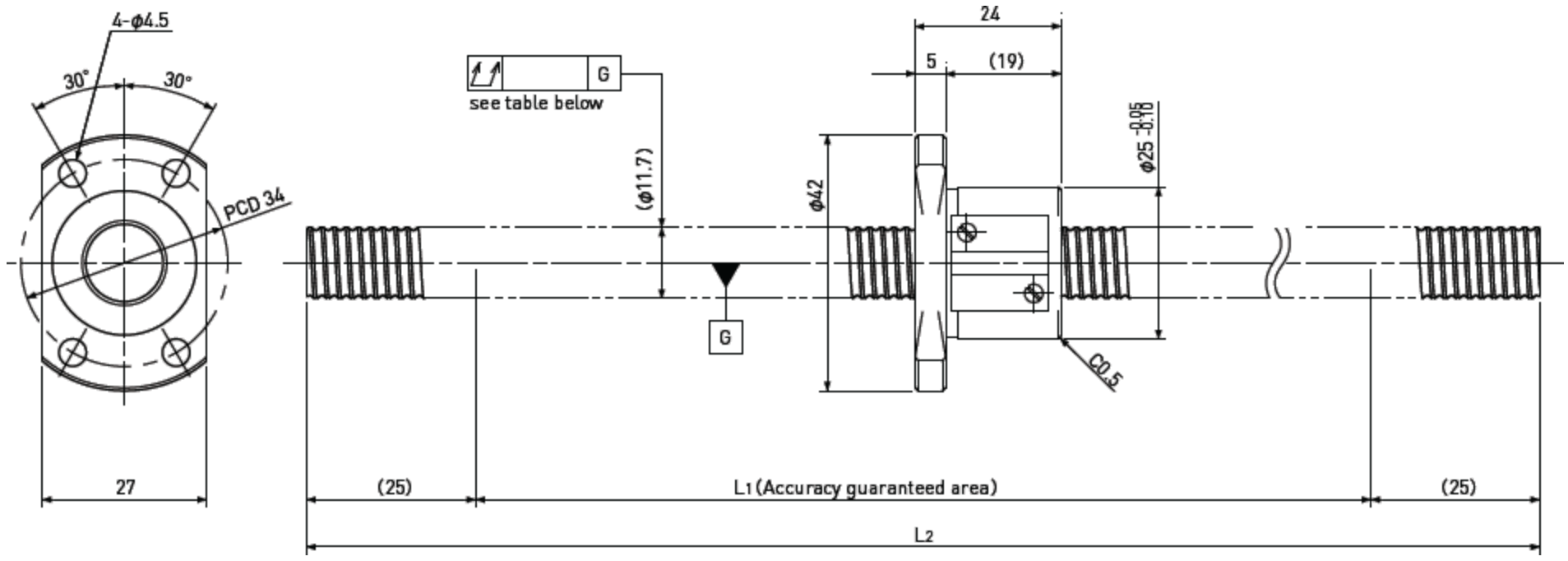
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out ⫽	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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

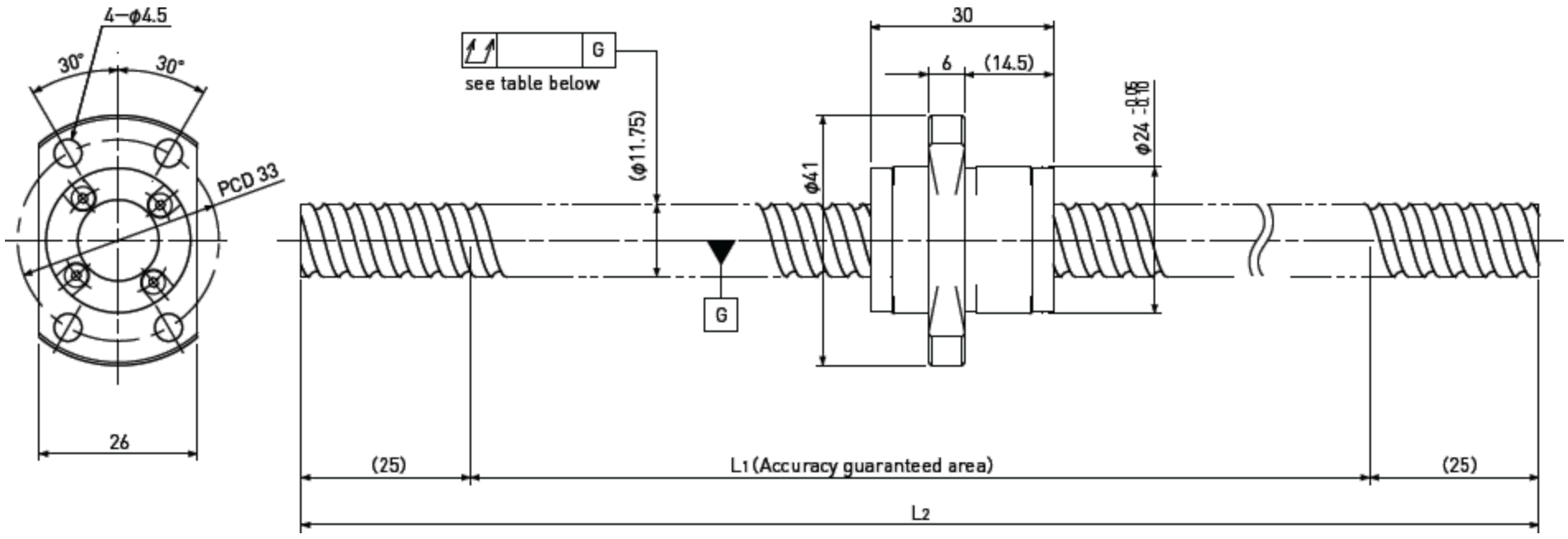
Unit : mm

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
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. 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
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

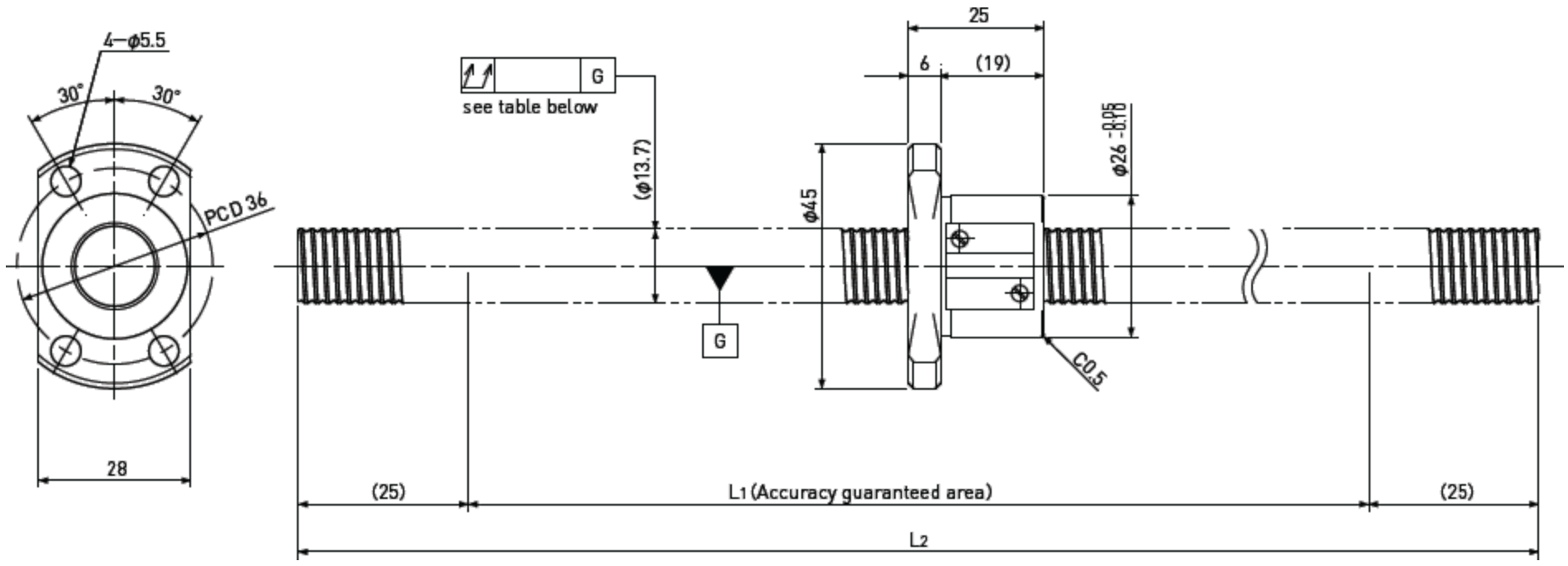
Unit : mm

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
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. ø14 Lead 2mm Ct7&Ct10



Unit : mm

Ball Screw Specifications	
Ball size	ø1.5875
Number of thread	1
Thread direction	Right
Shaft root dia.	ø12.6
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

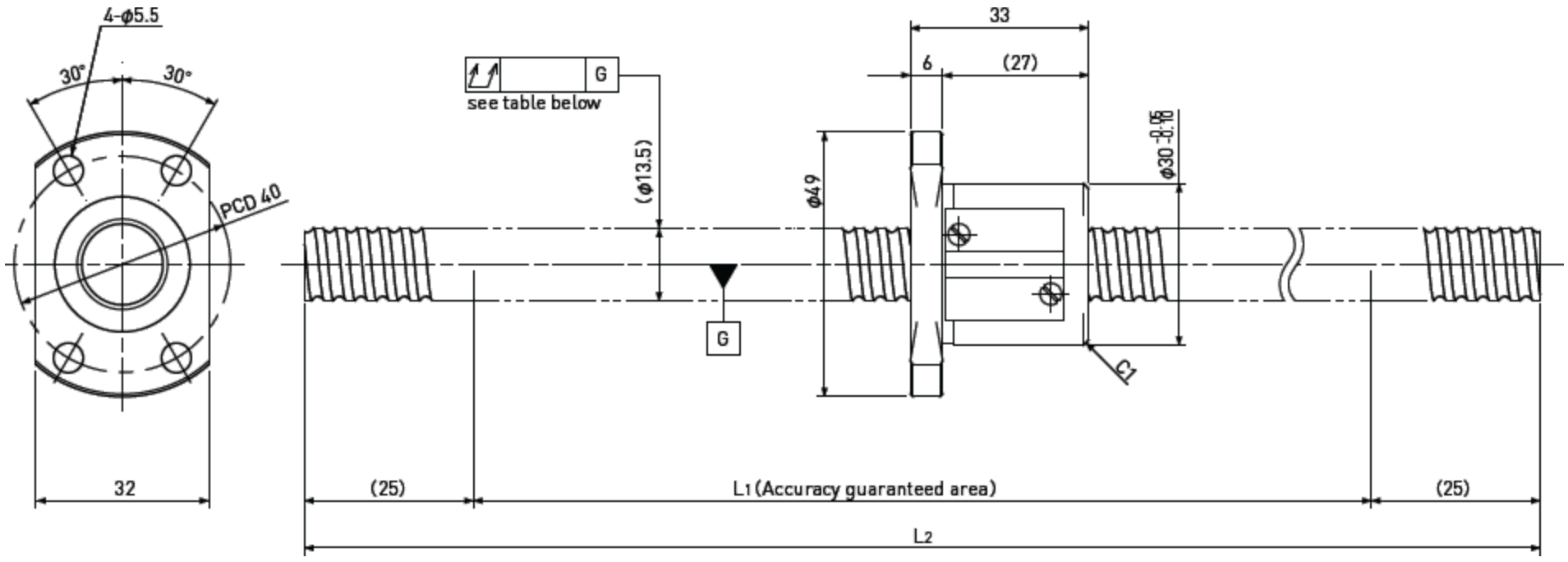
Unit : mm

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
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. ø14 Lead 4mm Ct7&Ct10



Unit : mm

Ball Screw Specifications	
Ball size	ø2.381
Number of thread	1
Thread direction	Right
Shaft root dia.	ø11.8
Number of circuit	3.7×1
Shaft/Nut Material	SCM415H
Surface hardness	HRC58~62 (Thread area)
Anti-rust treatment	Anti-rust oil

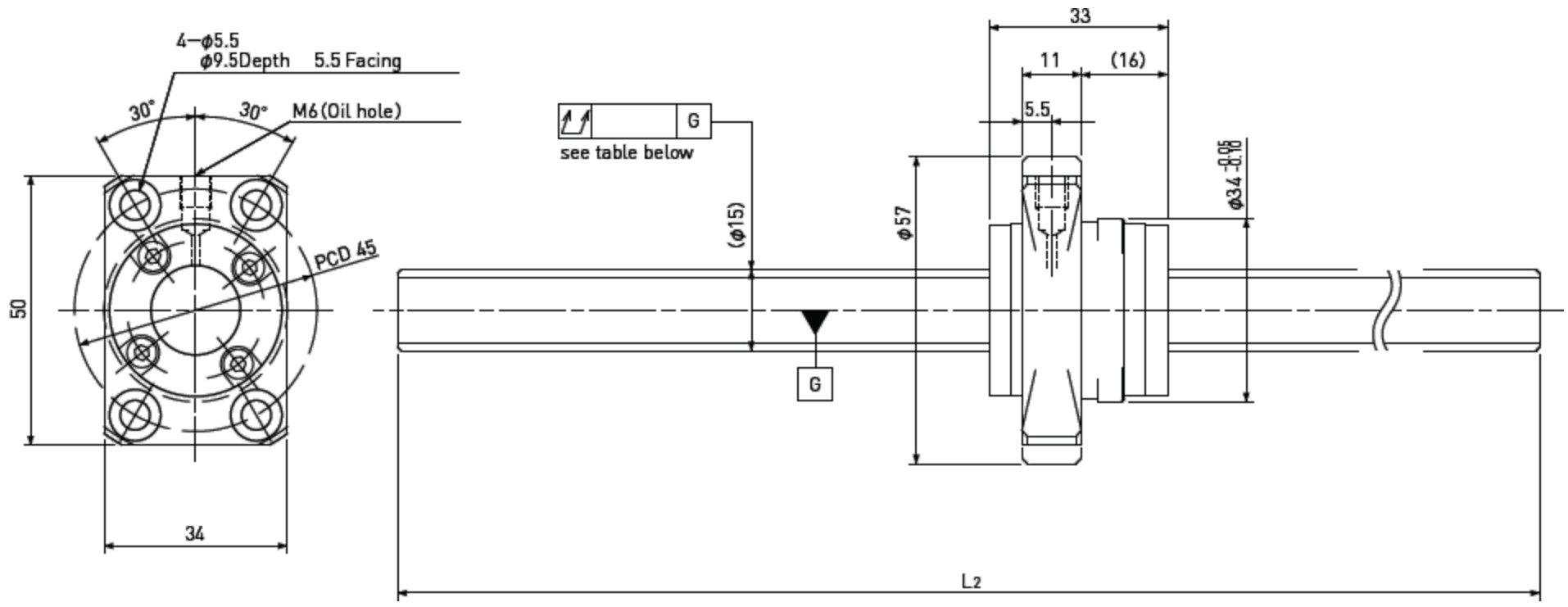
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N	
			L_1	L_2	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
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. ø15 | Lead 5mm | Ct7&Ct10



Unit : mm

Ball Screw Specifications		
Ball size		ø3.175
Number of thread		1
Thread direction		Right
Shaft root dia.		ø12.2
Number of circuit		3.7×1
Material	Shaft	SUJ2
	Nut	SCM415
Surface hardness		HRC58~62 (Thread area)
Anti-rust treatment		Anti-rust oil

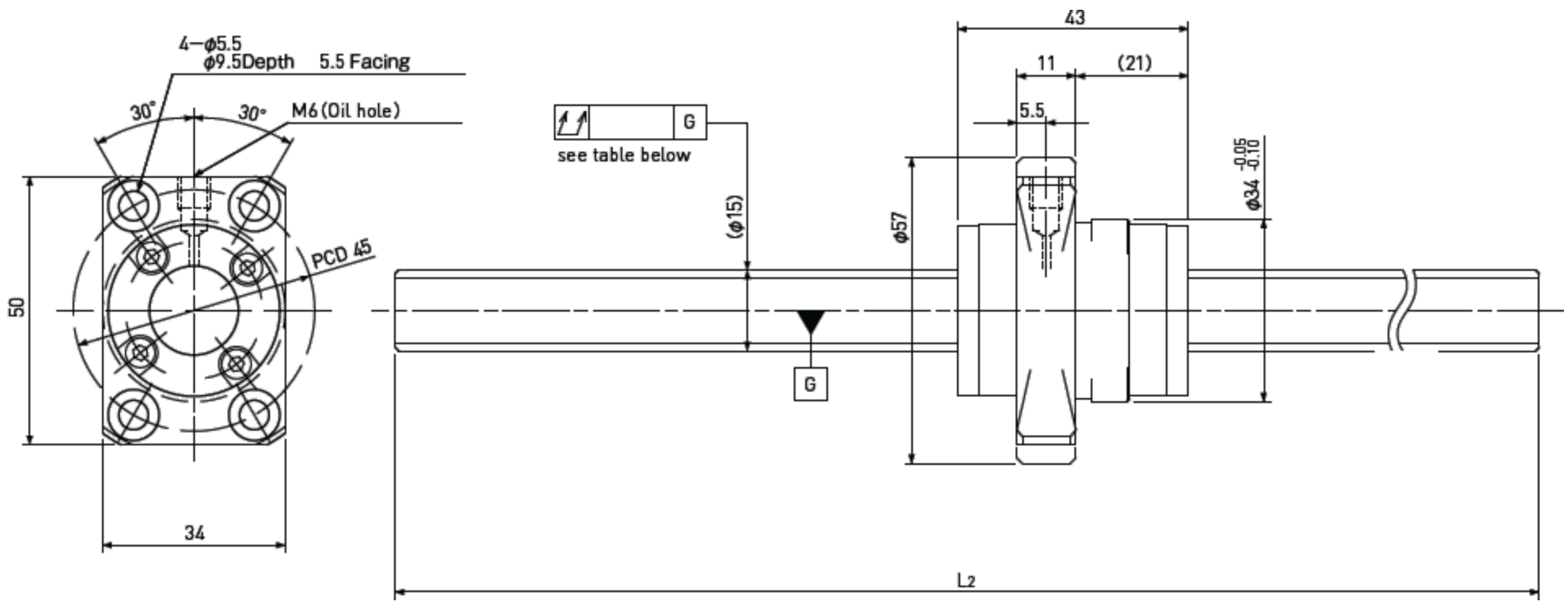
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N	
			L_1	L_2	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
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. ø15 Lead 10mm Ct7&Ct10



Unit : mm

Ball Screw Specifications		
Ball size		ø3.175
Number of thread		2
Thread direction		Right
Shaft root dia.		ø12.2
Number of circuit		2.7×2
Material	Shaft	SUJ2
	Nut	SCM415
Surface hardness		HRC58~62 (Thread area)
Anti-rust treatment		Anti-rust oil

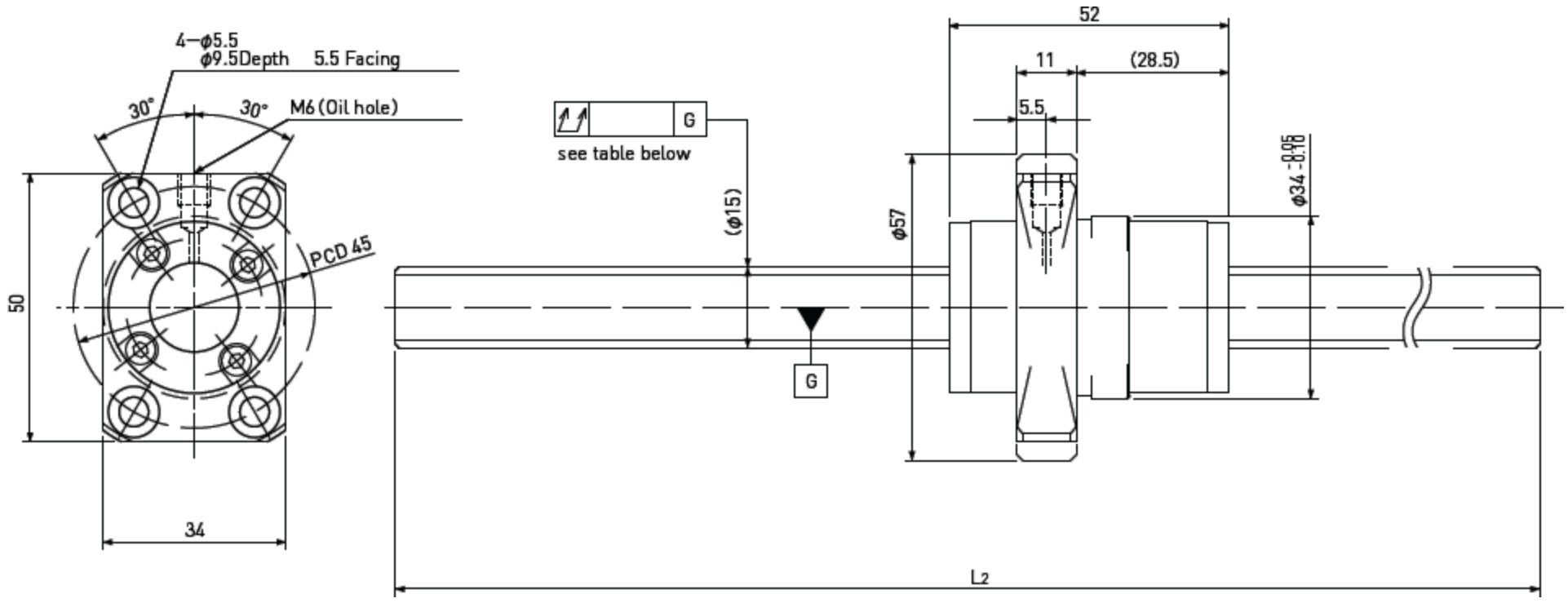
Unit : mm

Ball Screw Model	Travel	Grade	Shaft length		Lead accuracy		Total Run-out //	Axial play	Preload Torque Nm	Basic Load Rating N	
			L_1	L_2	Travel deviation e_P	Variation V_{300}				Dynamic Ca	Static Coa
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

SR1520 | Shaft dia. ø15 | Lead 20mm | Ct7&Ct10



Unit : mm

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 //	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.

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Standard products in stock SSR series

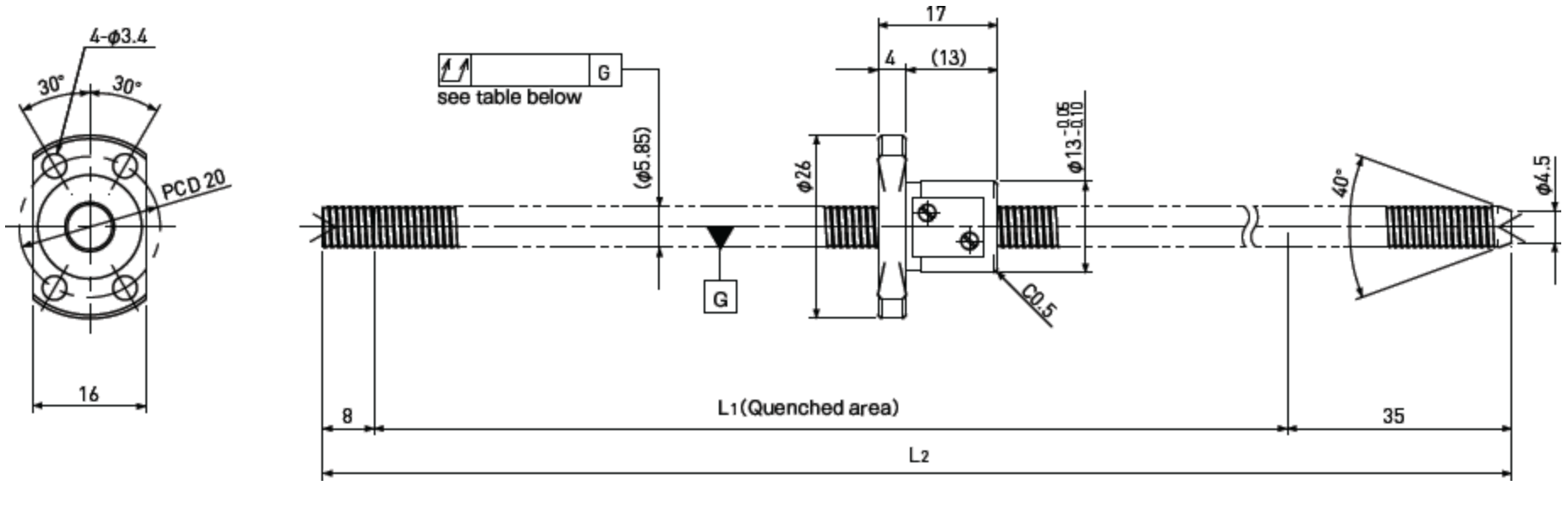
SSR0601

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
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** //	**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.

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Standard products in stock SSR series

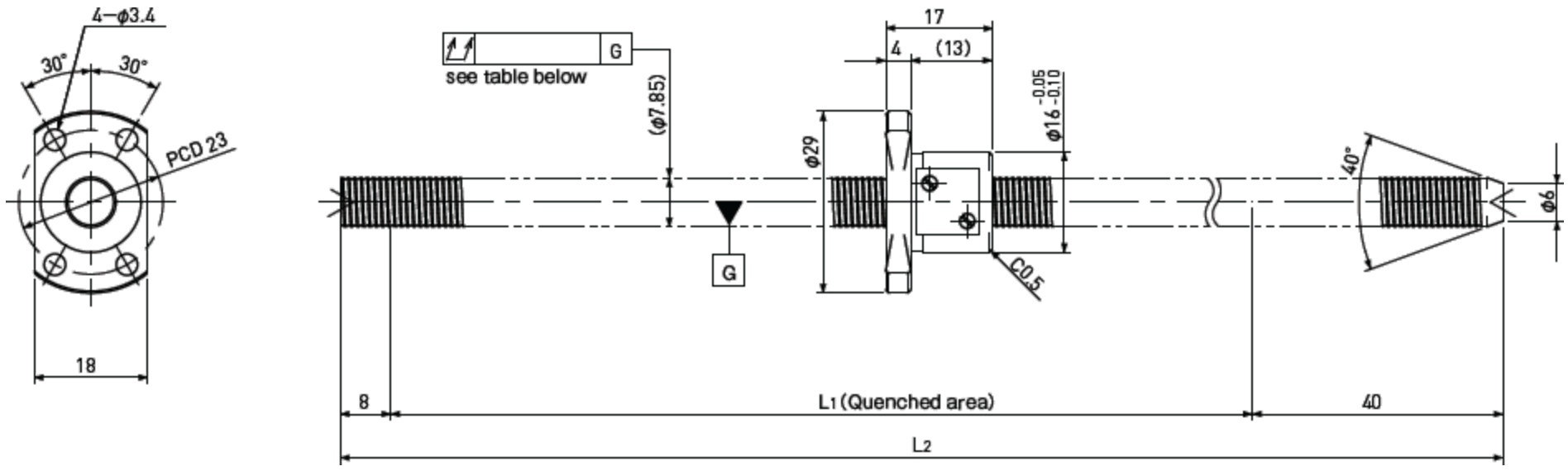
SSR0801

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
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** //	**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

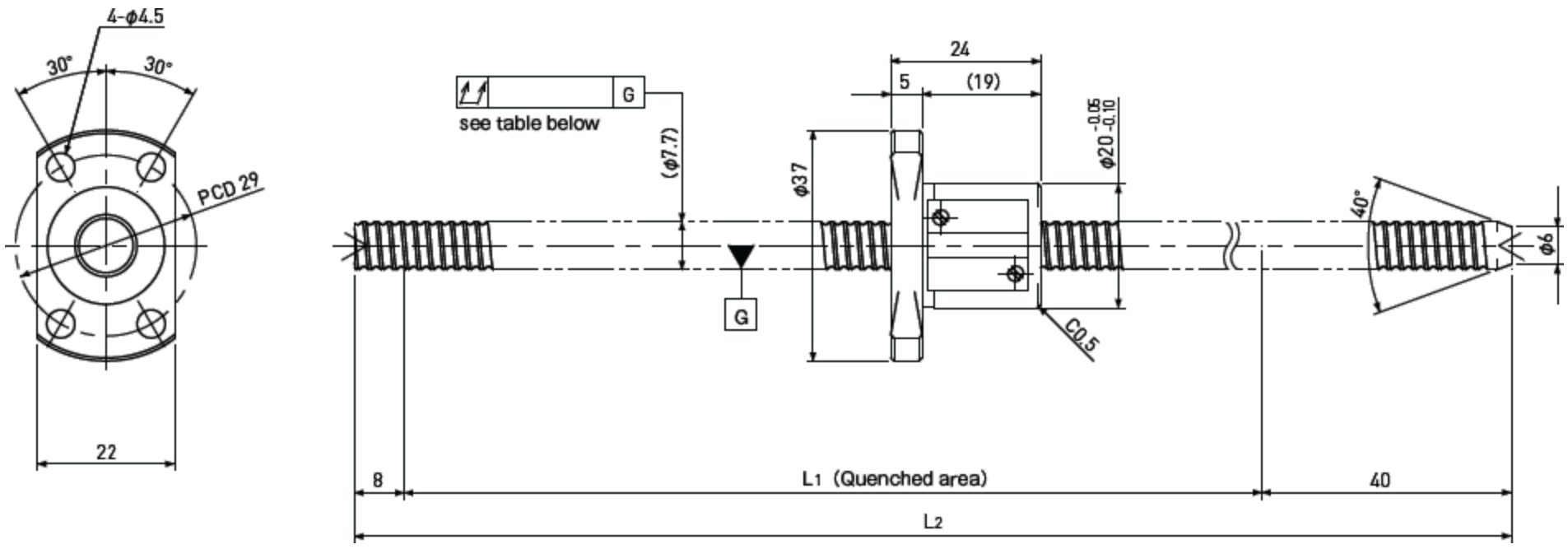
SSR0802

Stainless

Shaft dia. 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
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** //	**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.

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Standard products in stock SSR series

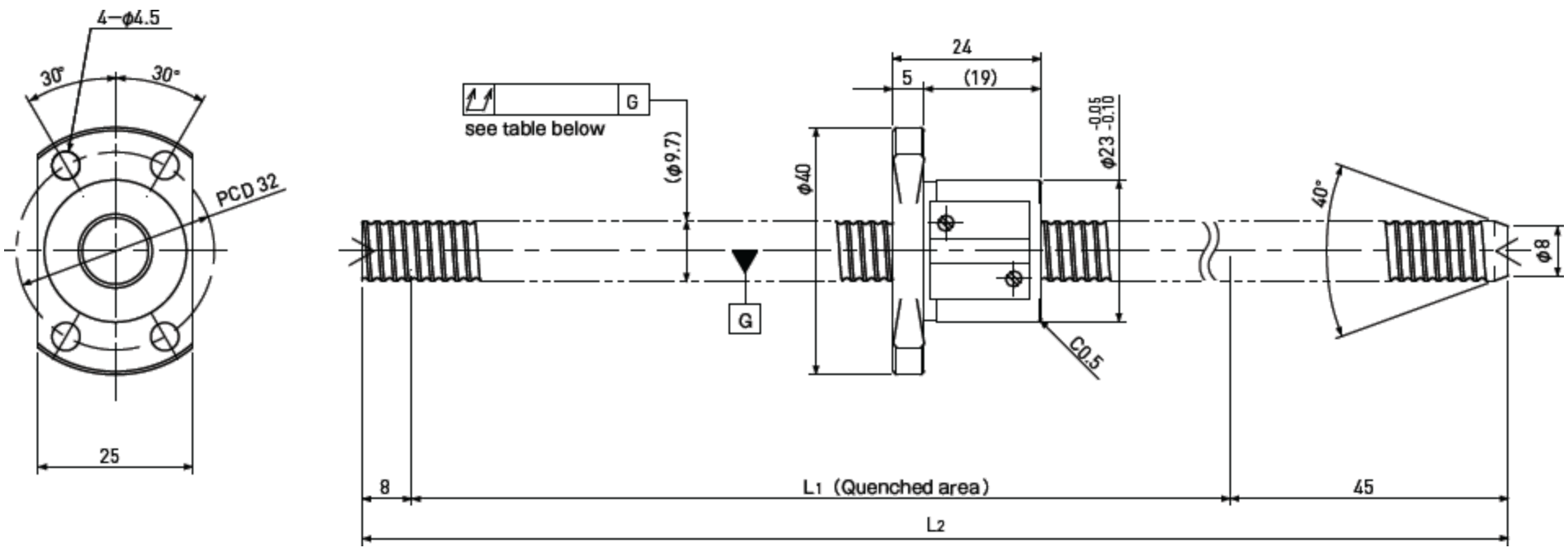
SSR1002

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
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** ⫽	**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.

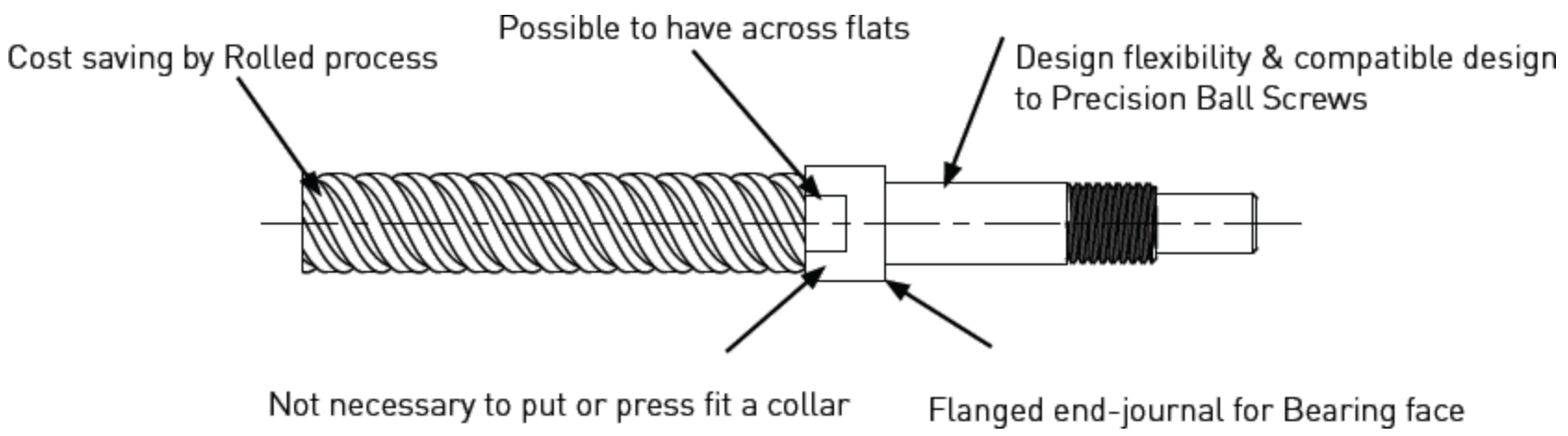
SRT/SSRT series

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.

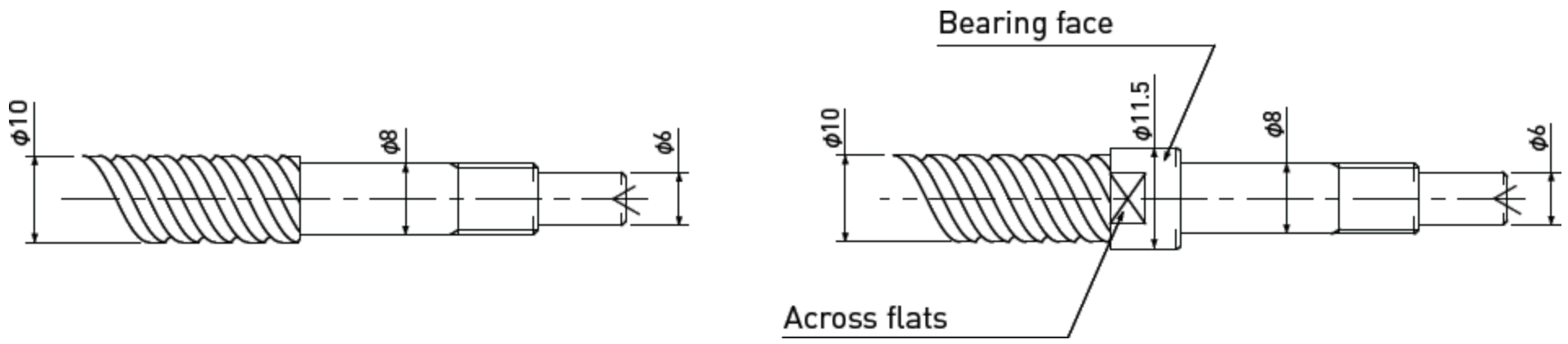
Features

- 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

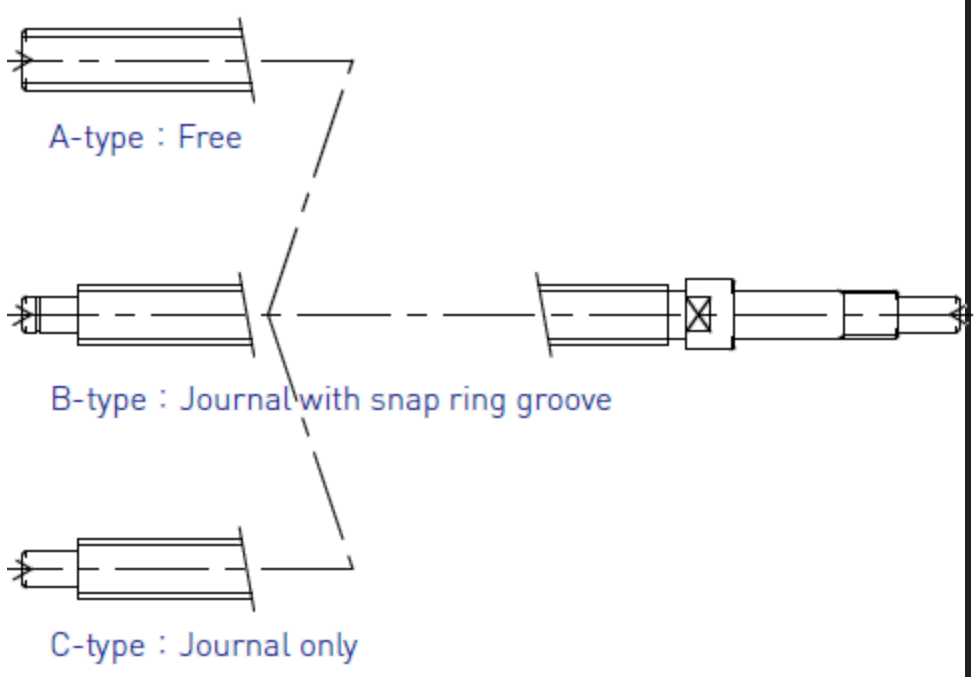
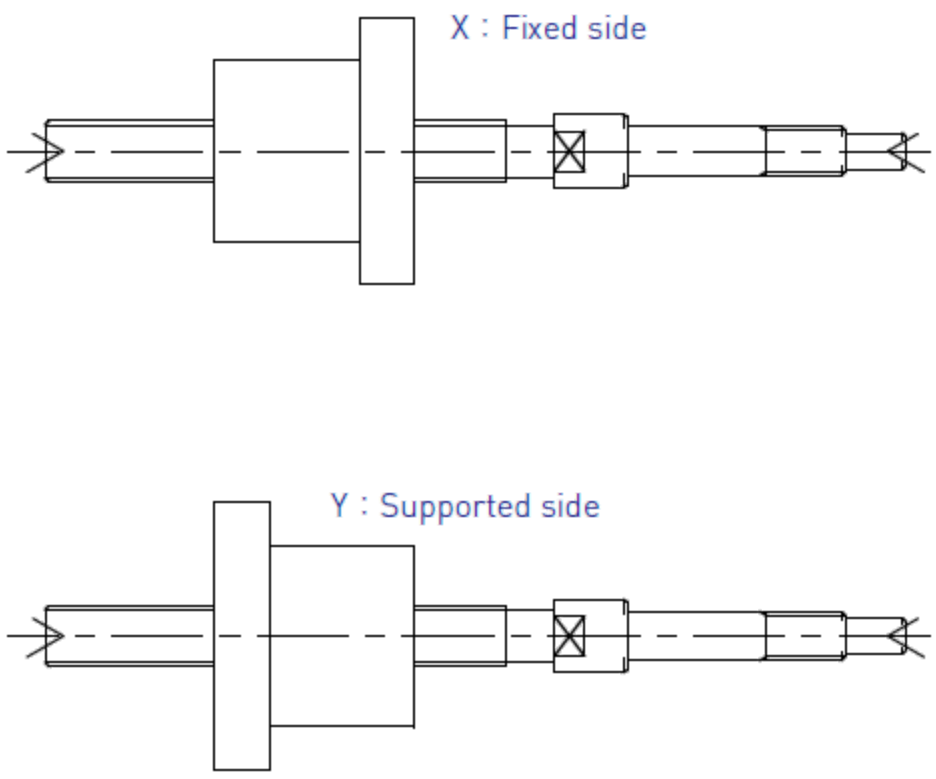


Fig. A-25 : Nut Flange direction



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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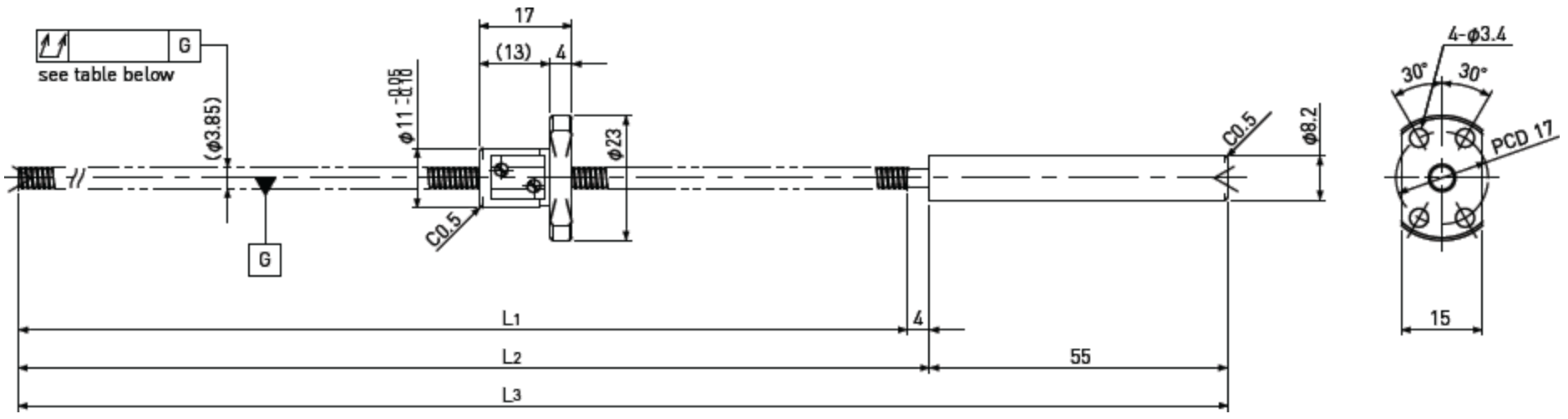
Standard products in stock SRT series

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

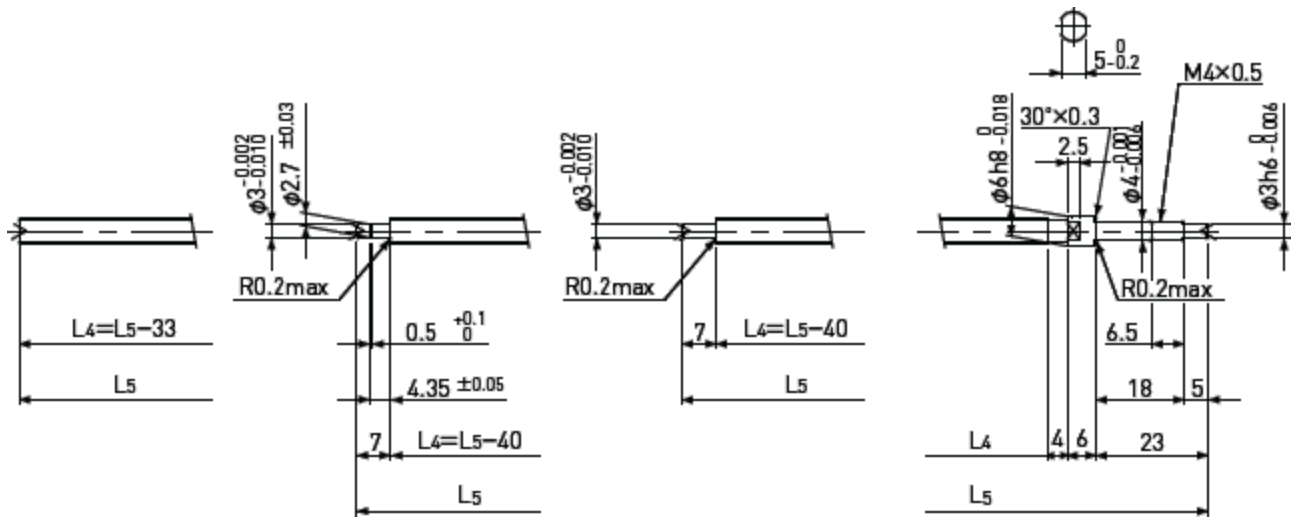


Unit : mm

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.

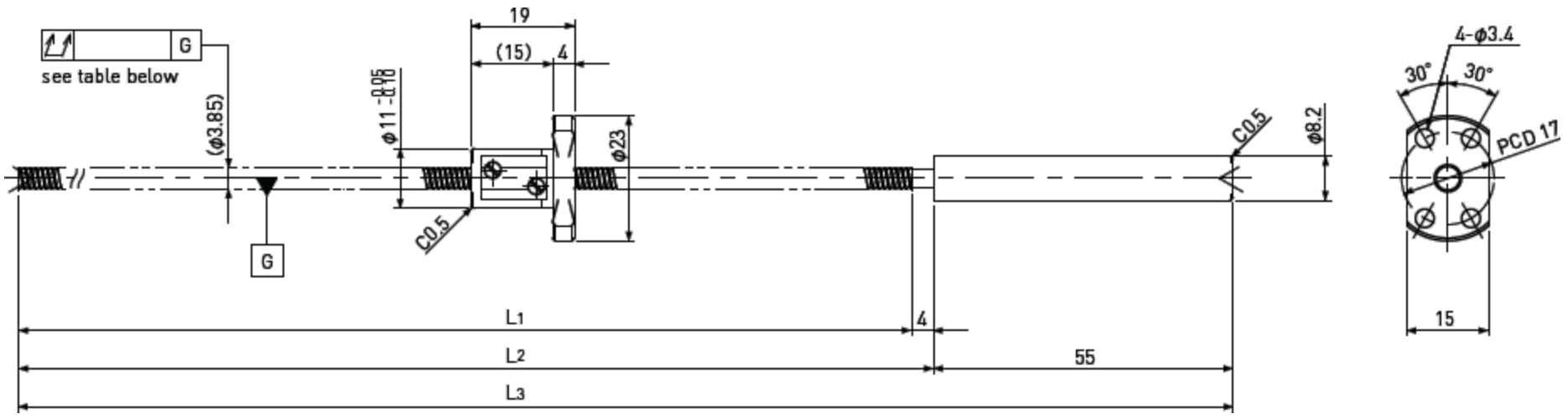
Support-unit Recommendation		
Supported-side:	SUP03-S	
Fixed-side:	EK4	

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				

Standard products in stock SRT series

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

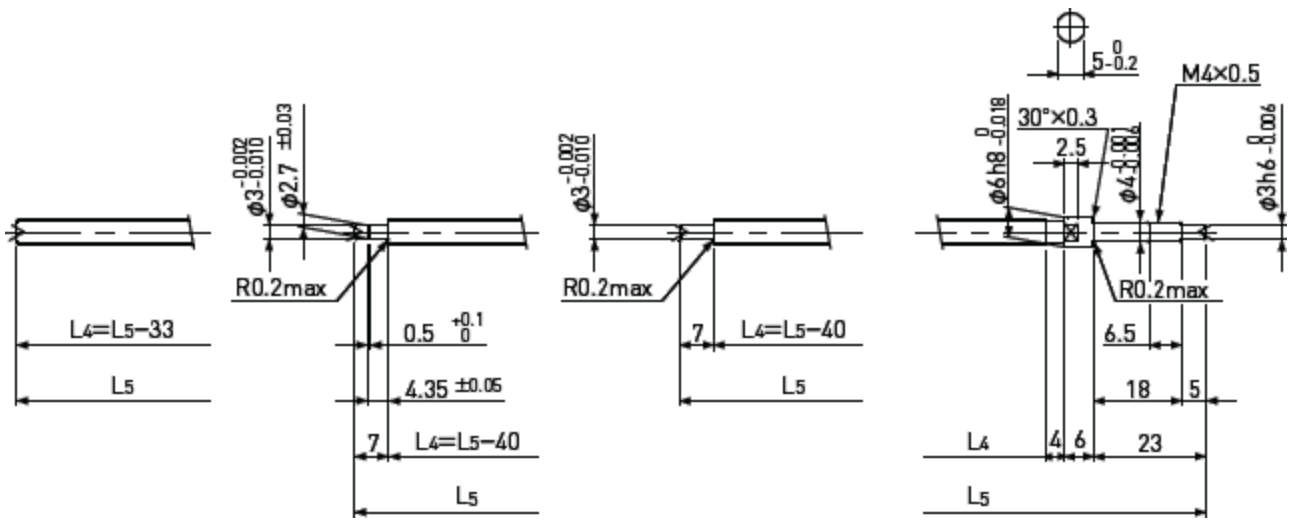


Unit : mm

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: Thread length after end-journal machining.

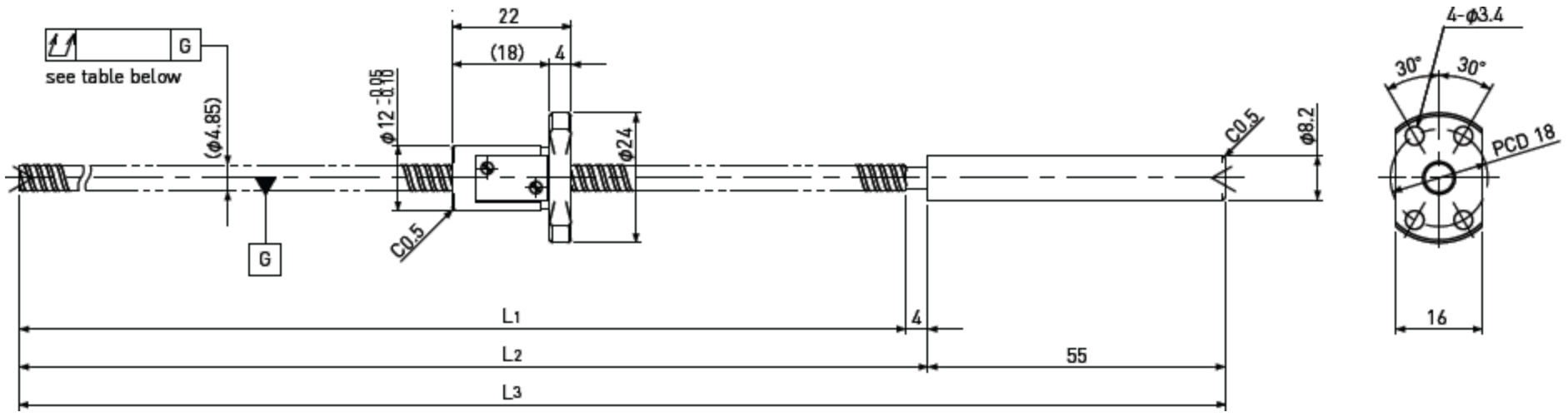
Support-unit Recommendation		
	Supported-side:	SUP03-S
	Fixed-side:	EK4

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				

Standard products in stock SRT series

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

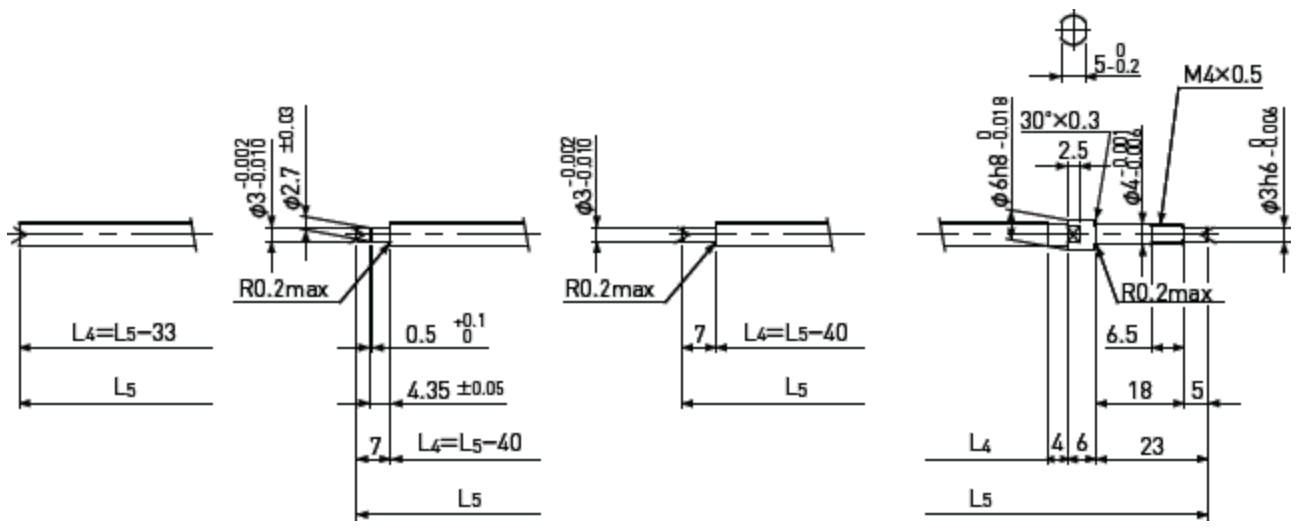


Unit : mm

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.

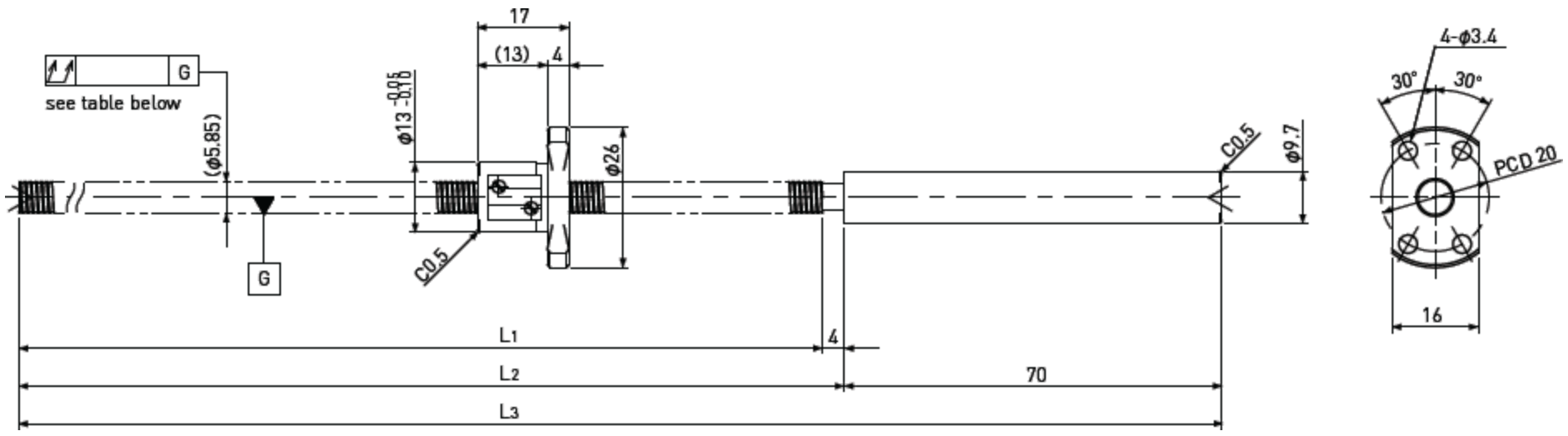
Support-unit Recommendation		
Supported-side:	SUP03-S	
Fixed-side:	EK4	

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				

Standard products in stock SRT series

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

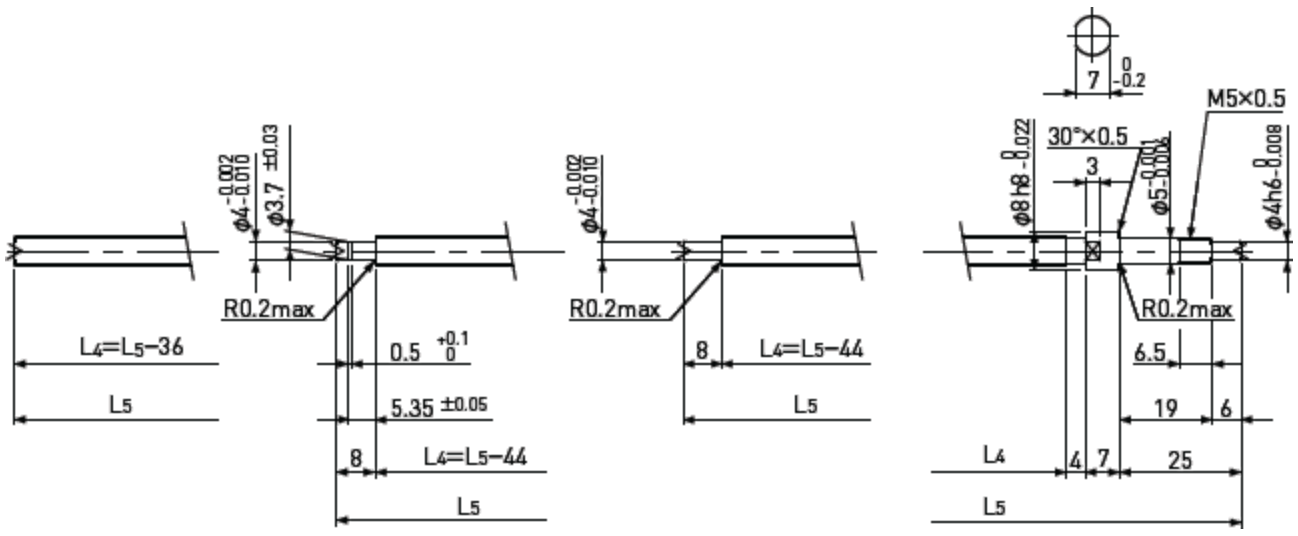


Unit : mm

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				

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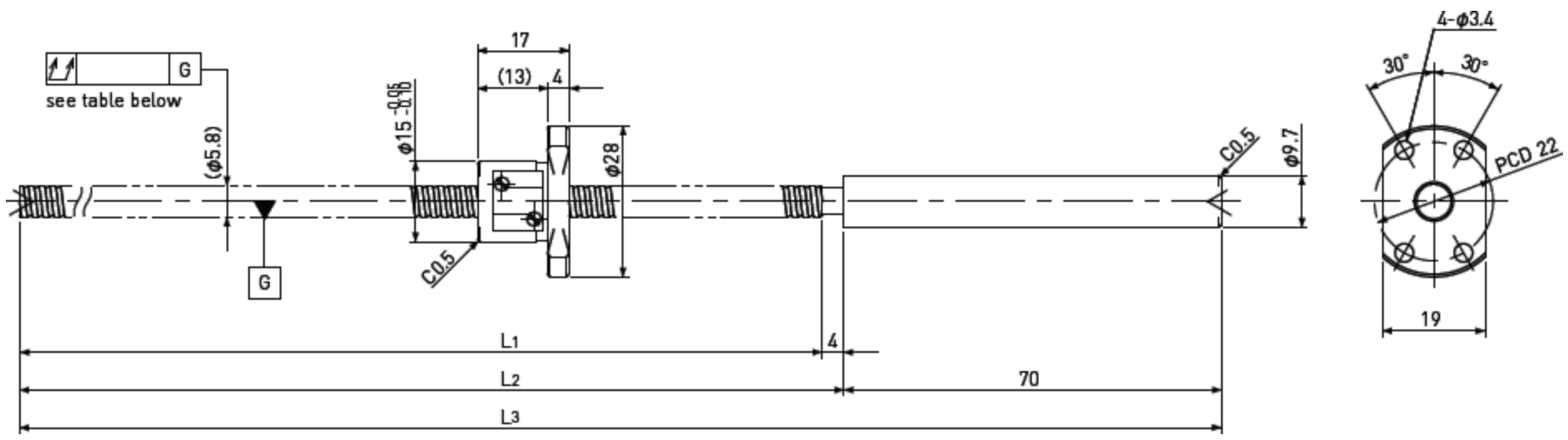
Standard products in stock SRT series

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

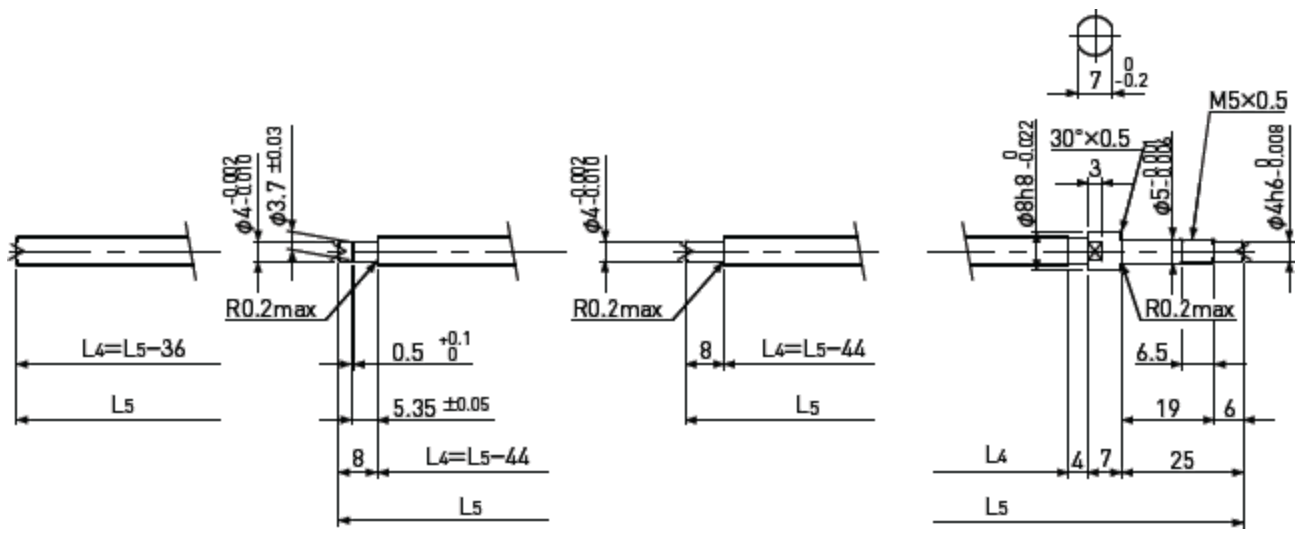


Unit : mm

Ball Screw Specifications		
Ball size		ø1.0
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

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
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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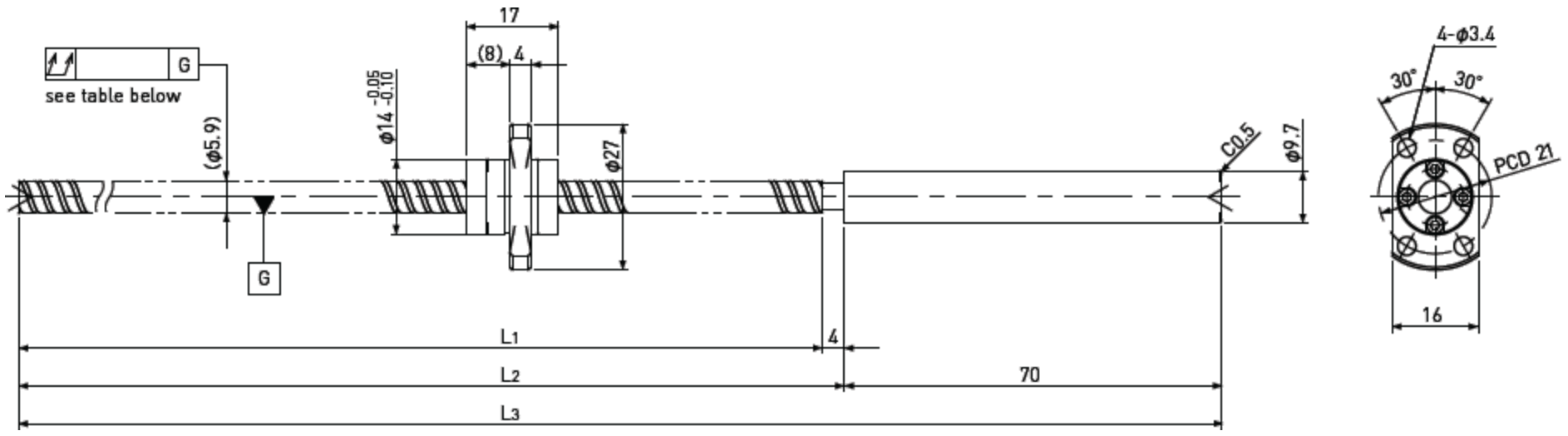
Standard products in stock SRT series

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

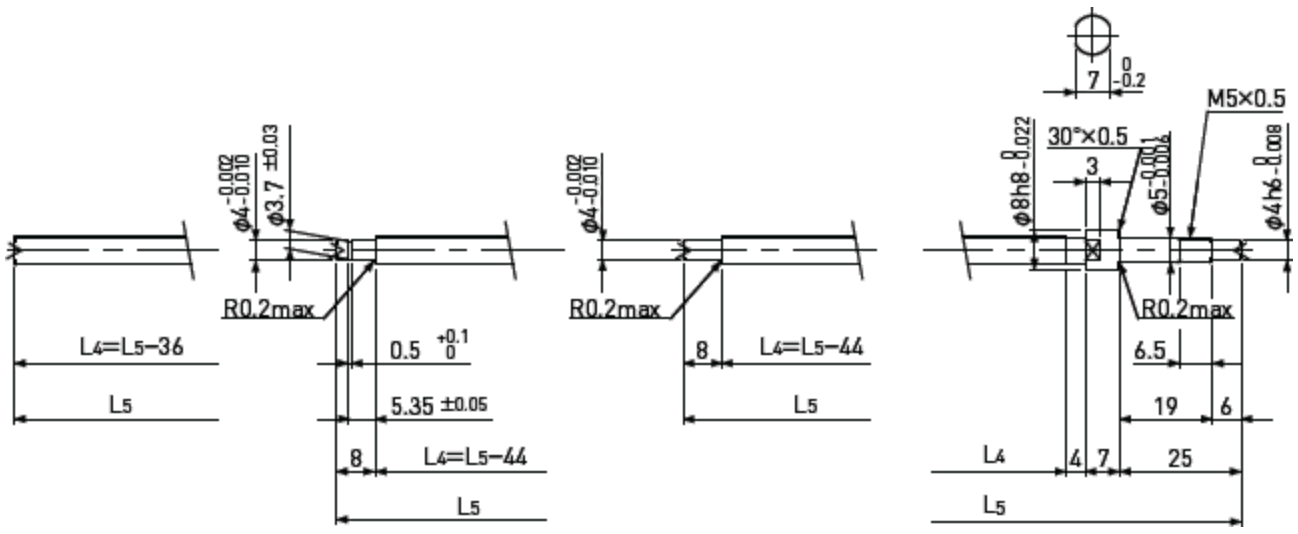


Unit : mm

Ball Screw Specifications		
Ball size		ø1.0
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

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
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				

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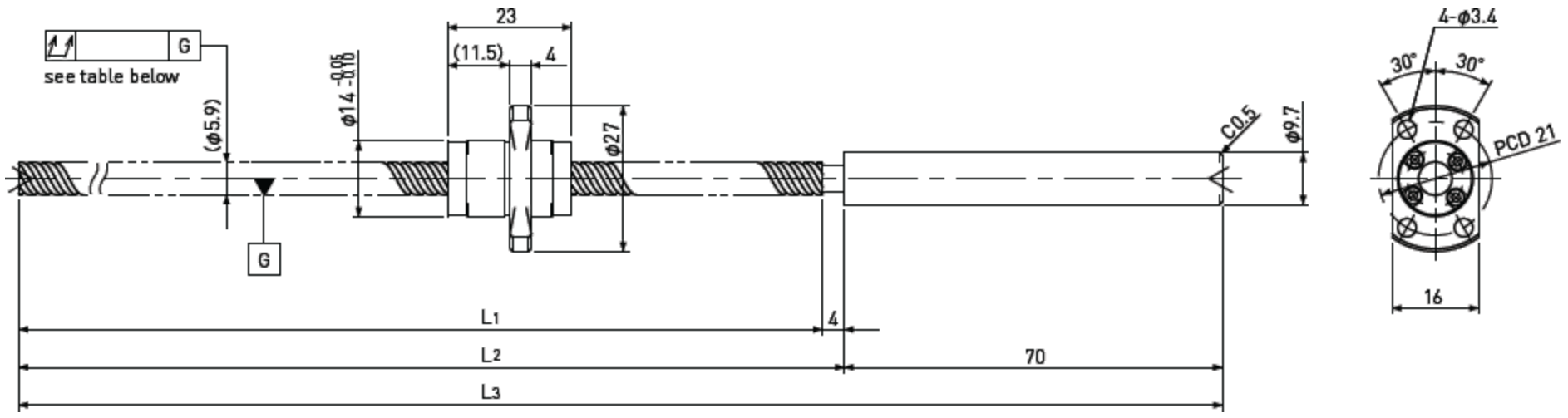
Standard products in stock SRT series

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

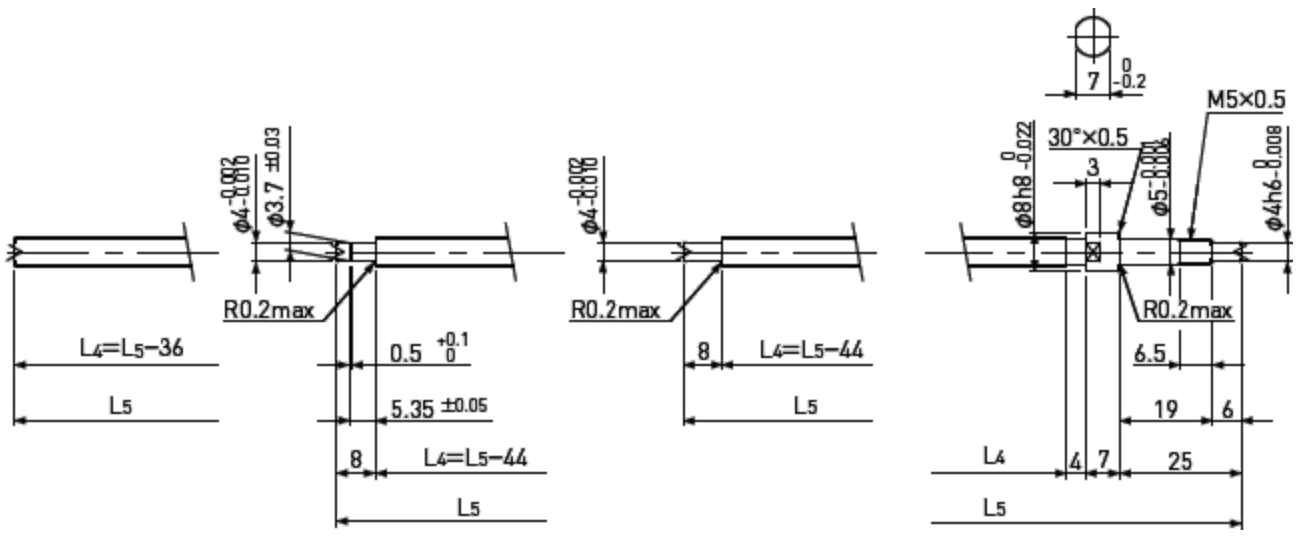


Unit : mm

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.

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
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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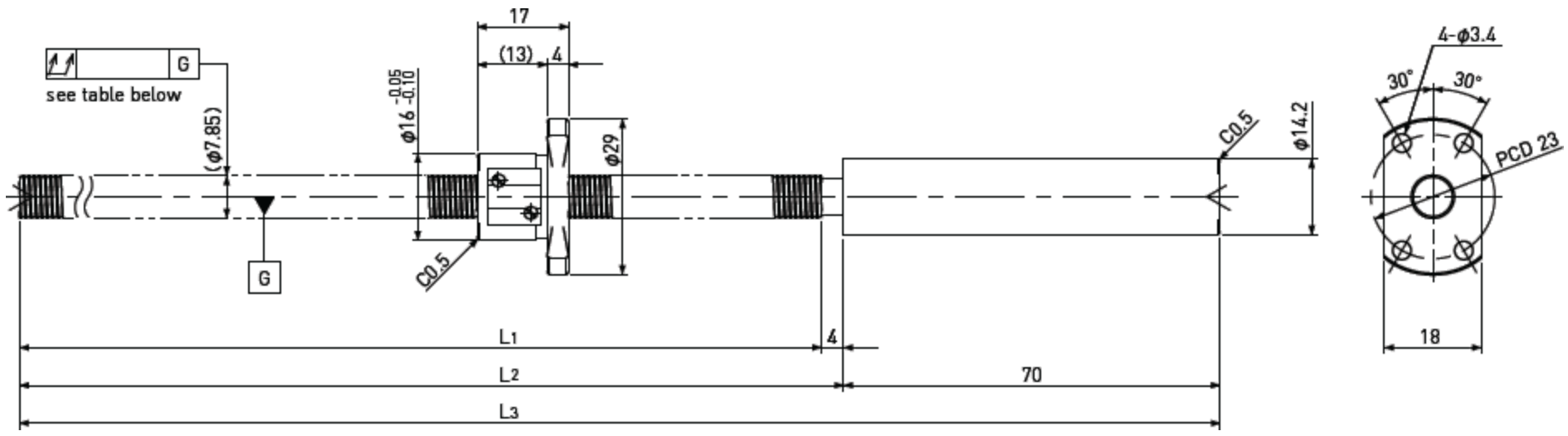
Standard products in stock SRT series

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

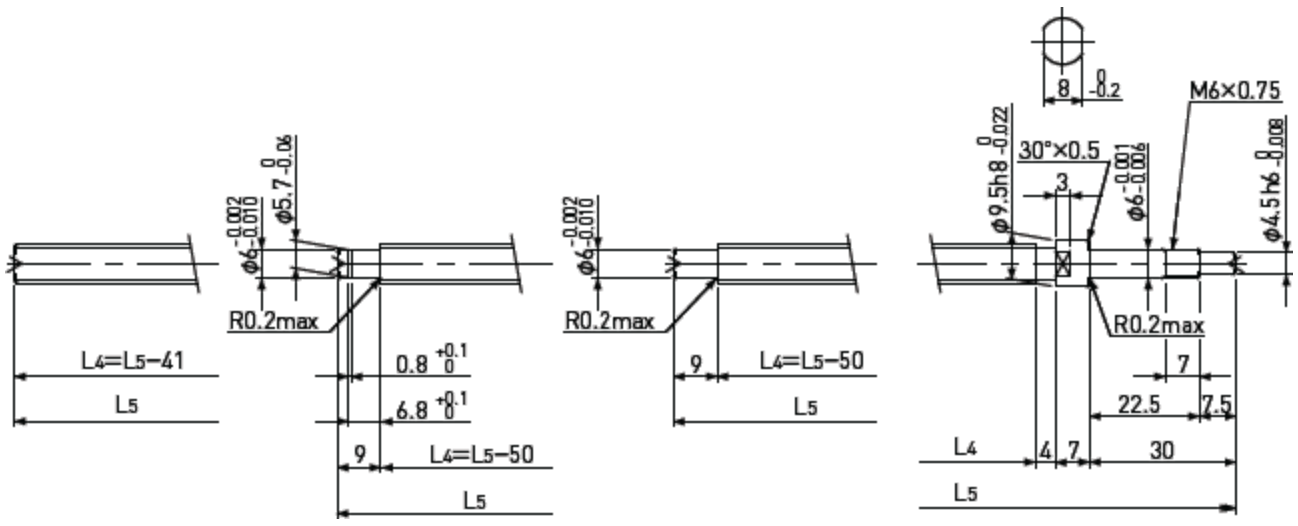


Unit : mm

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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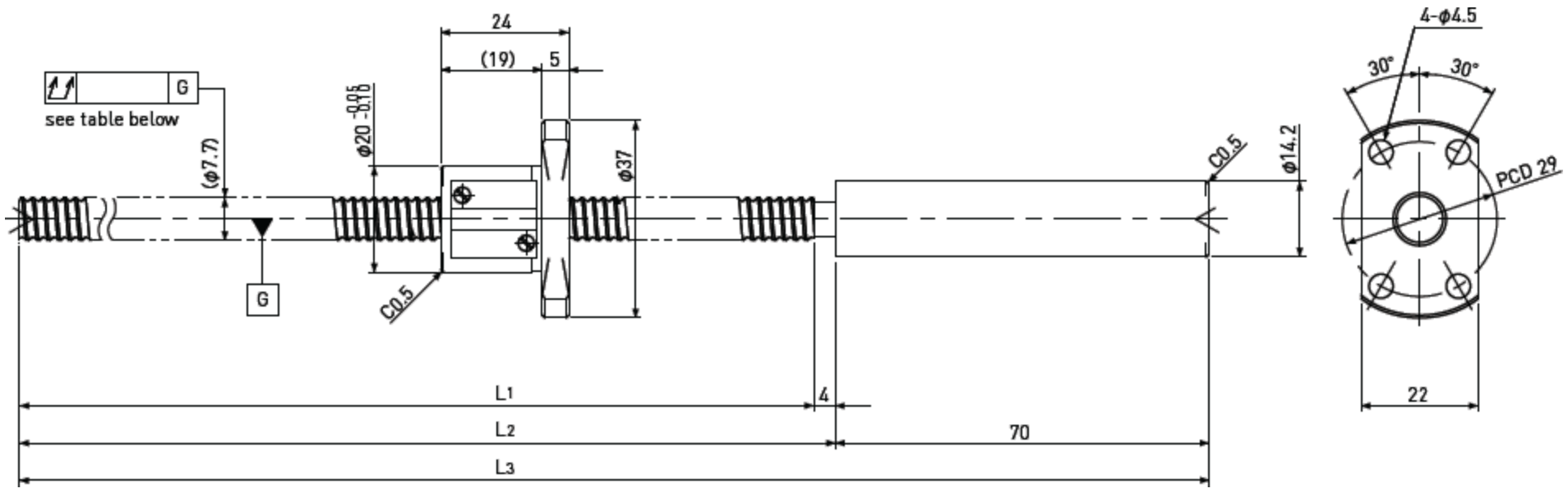
Standard products in stock SRT series

SRT0802 | Shaft dia. Ø8 | Lead 2mm | Ct7&Ct10

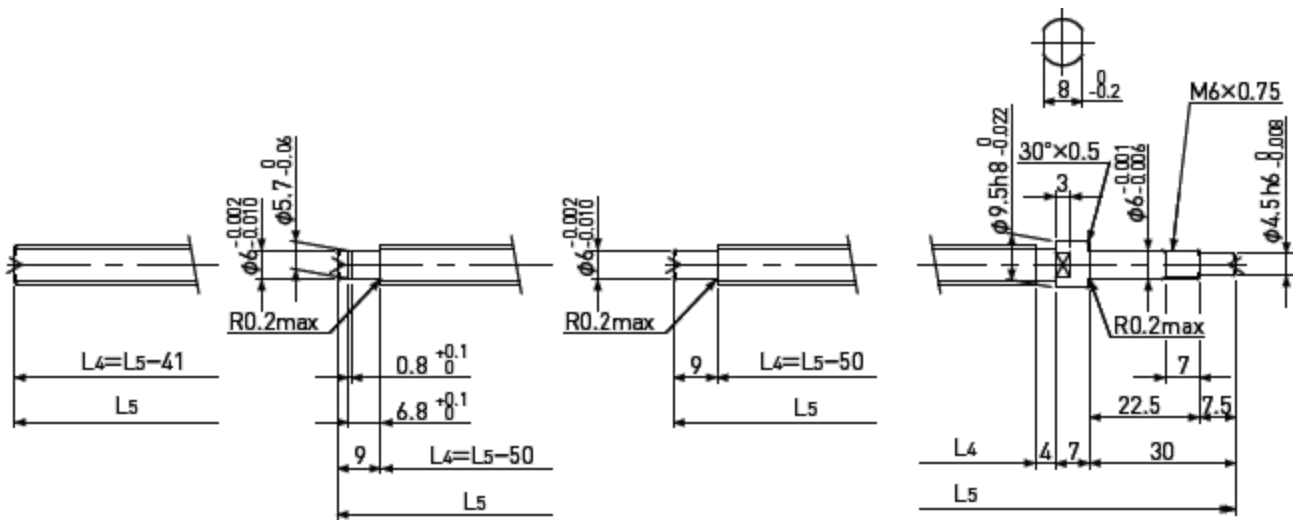


Unit : mm

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.

Supported-side	Fixed-side
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				

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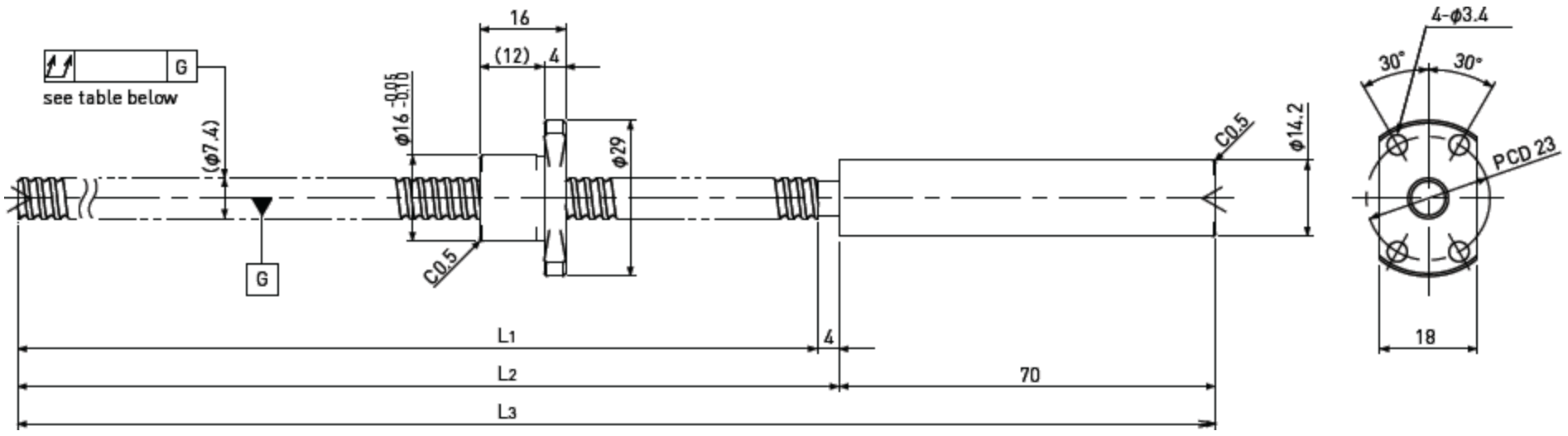
Standard products in stock SRT series

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

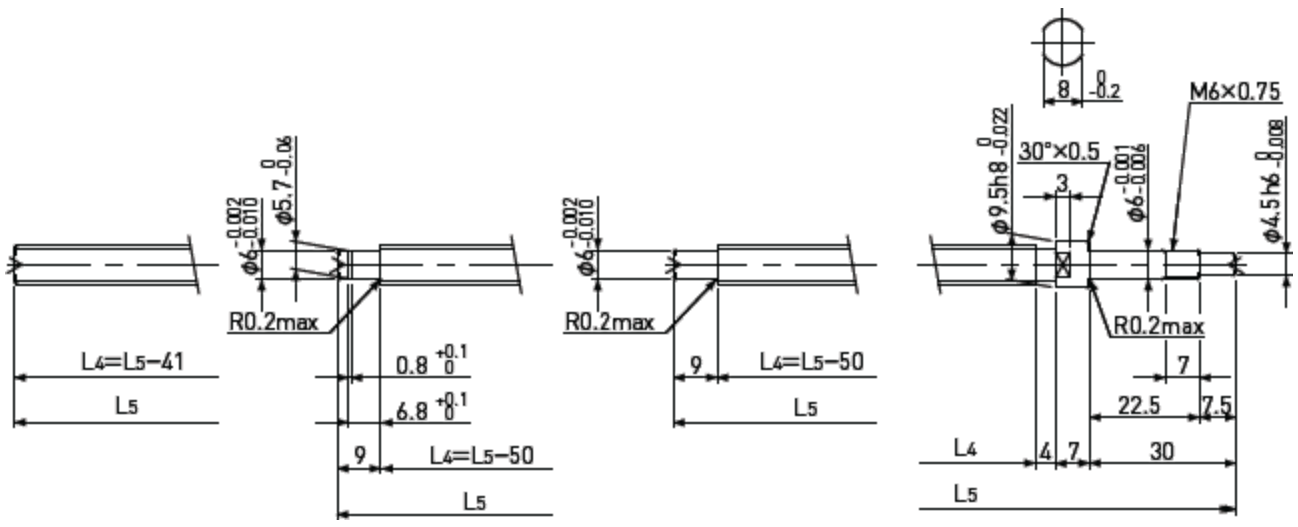


Unit : mm

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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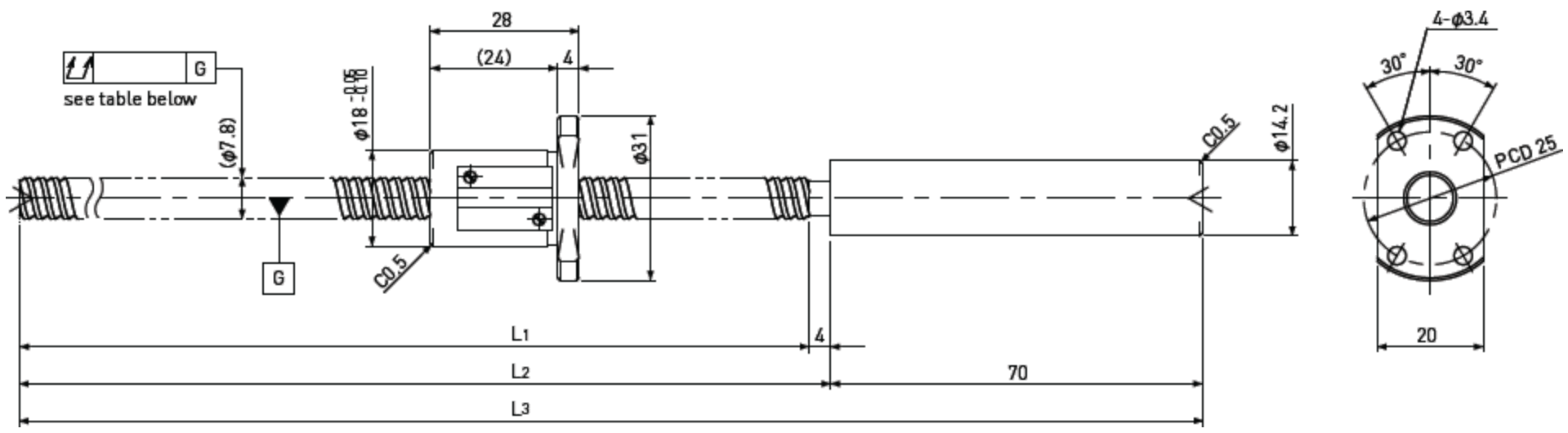
Standard products in stock SRT series

SRT0805 | Shaft dia. Ø8 | Lead 5mm | Ct7&Ct10

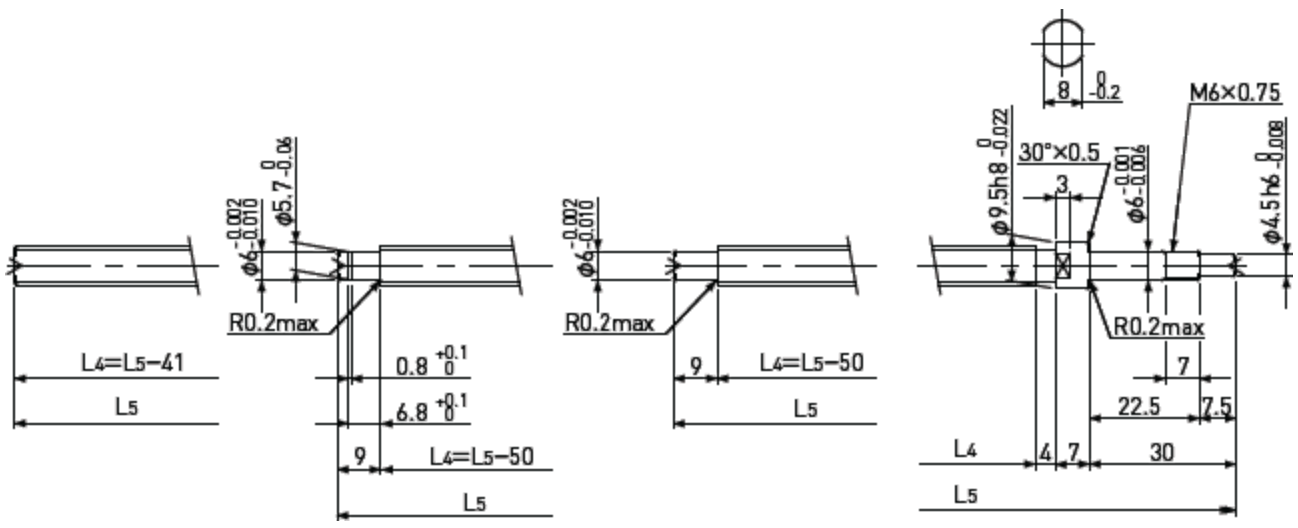


Unit : mm

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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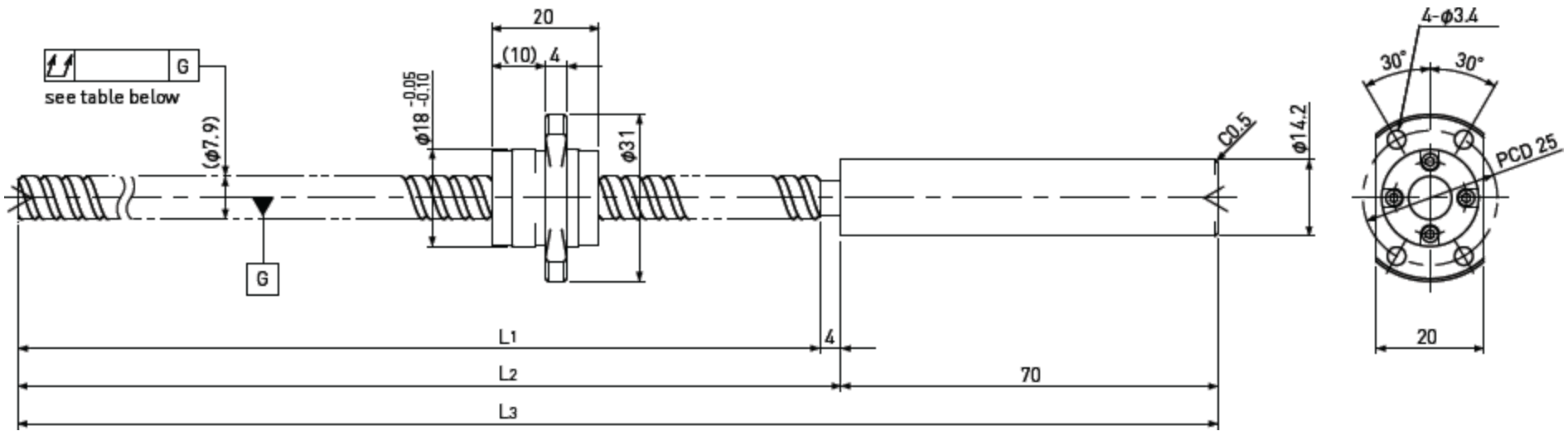
Standard products in stock SRT series

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

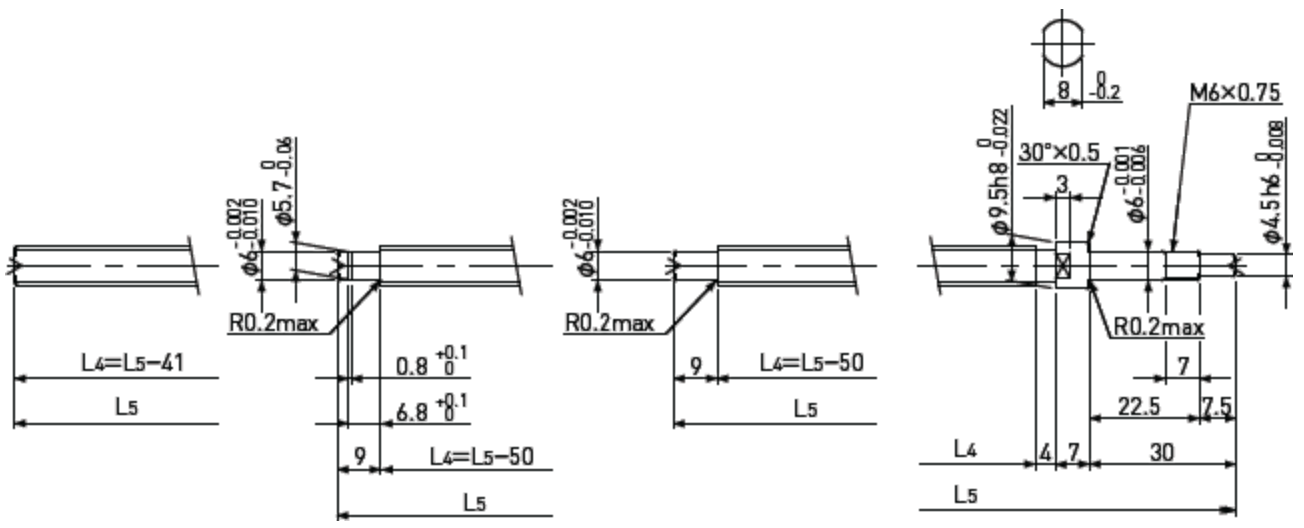


Unit : mm

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



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

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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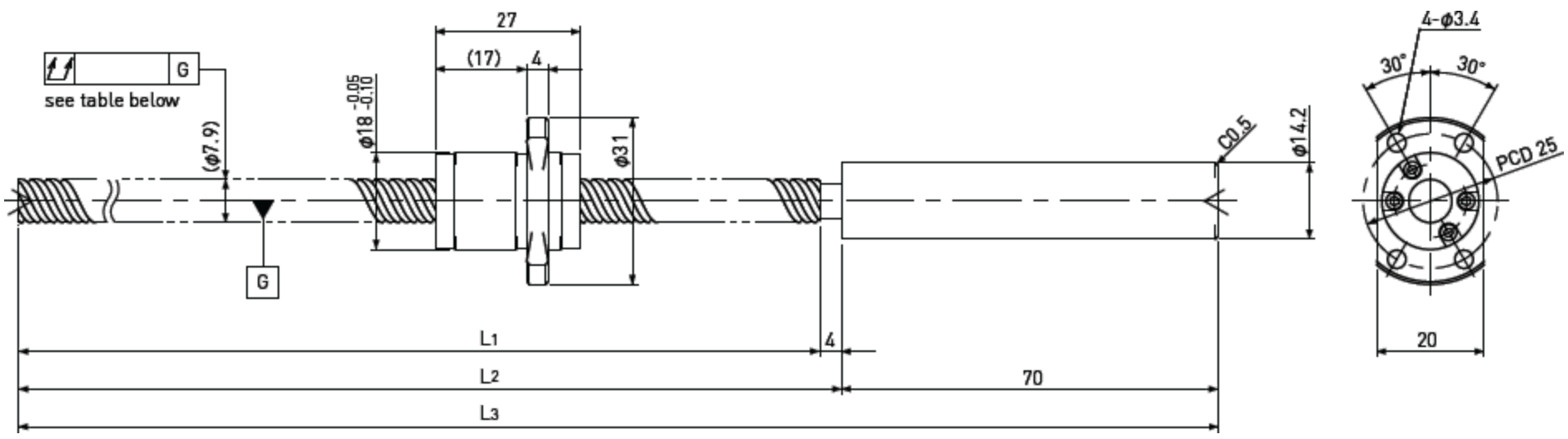
Standard products in stock SRT series

SRT0812 | Shaft dia. Ø8 | Lead 12mm | Ct7&Ct10

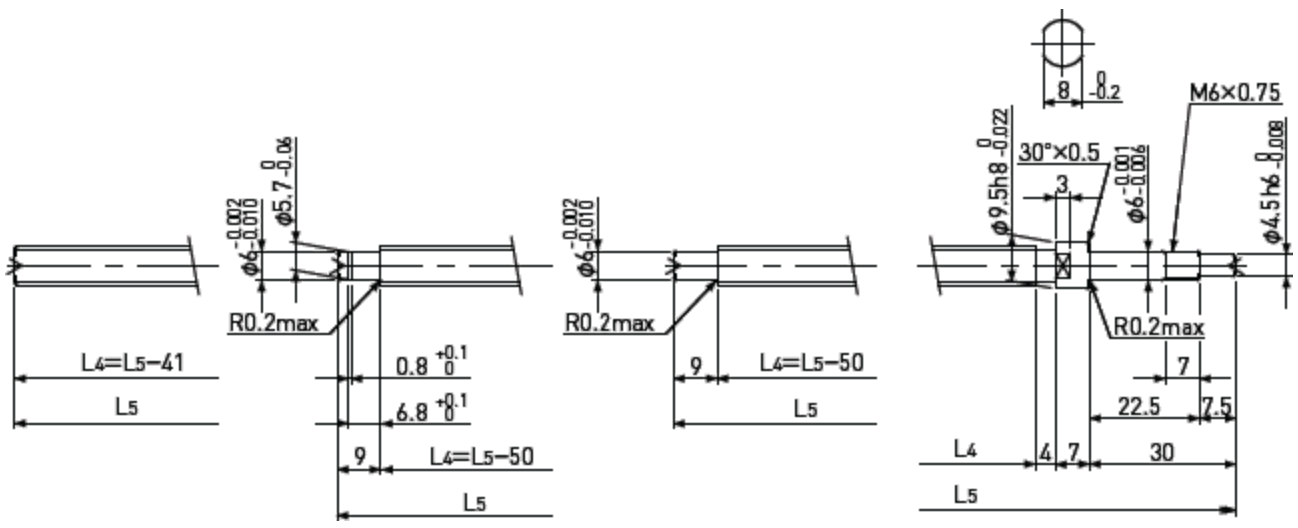


Unit : mm

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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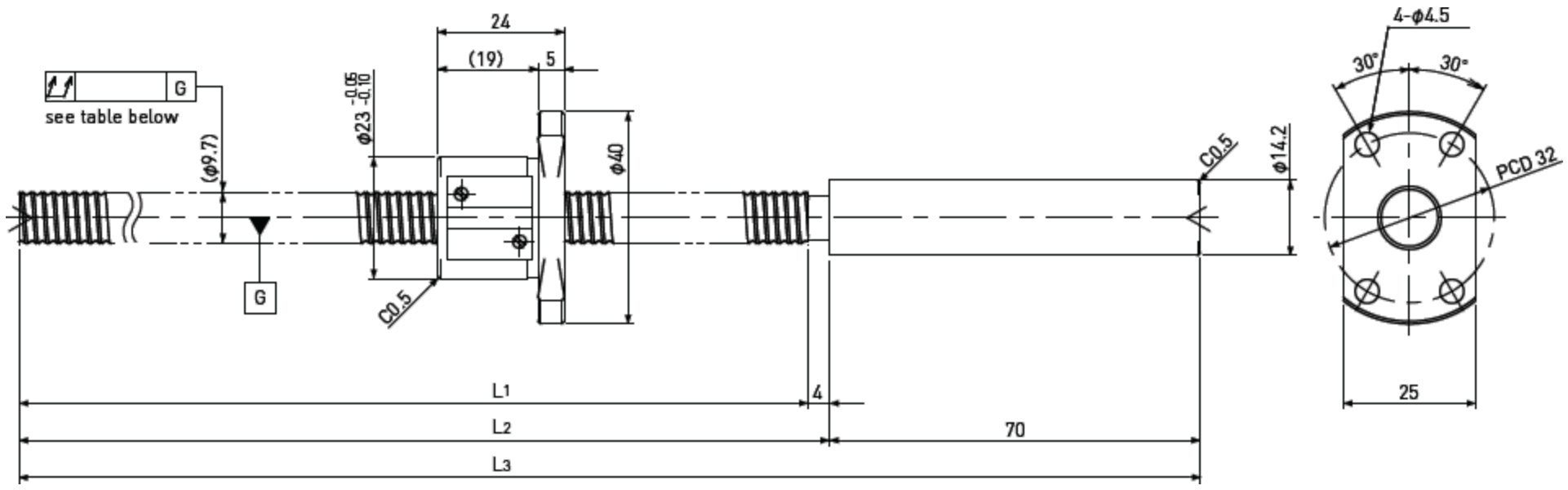
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

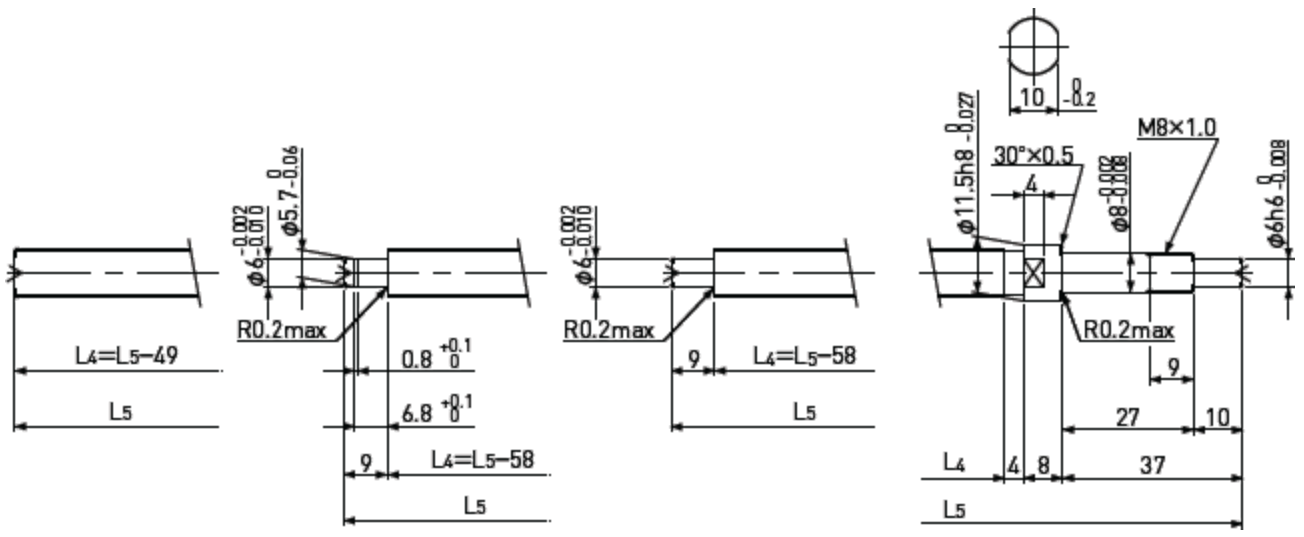


Unit : mm

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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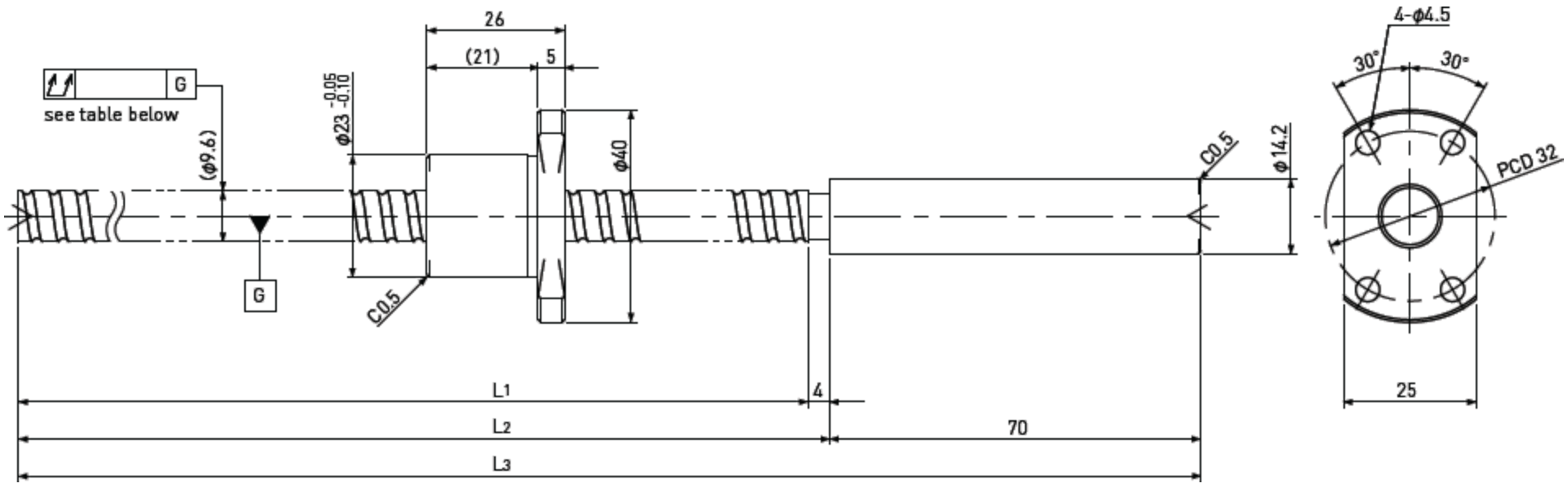
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

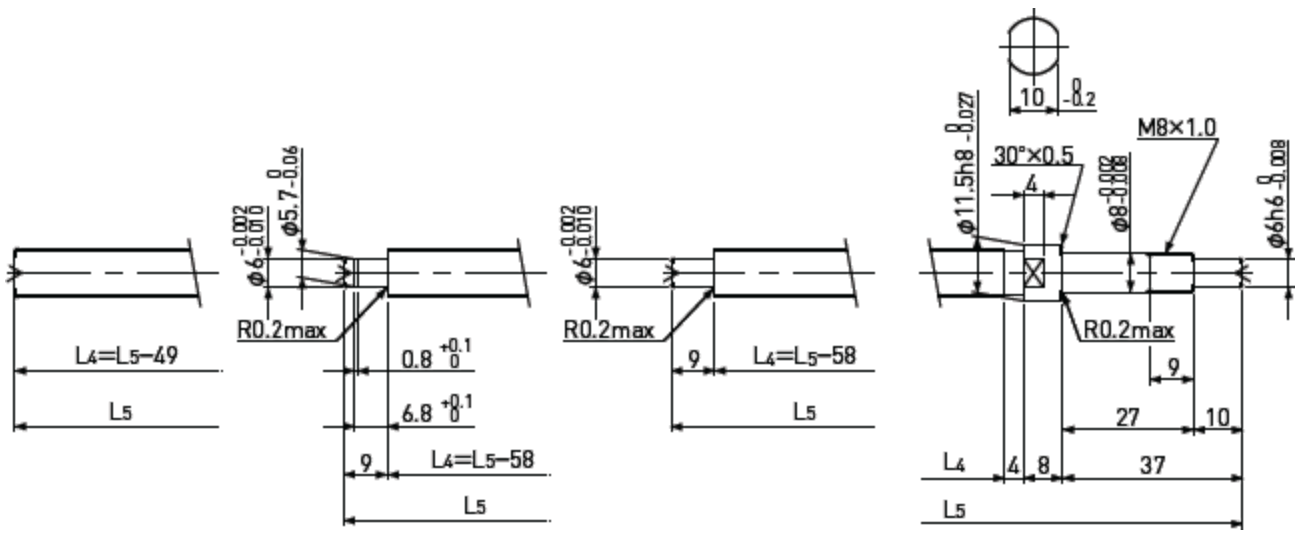


Unit : mm

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.

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
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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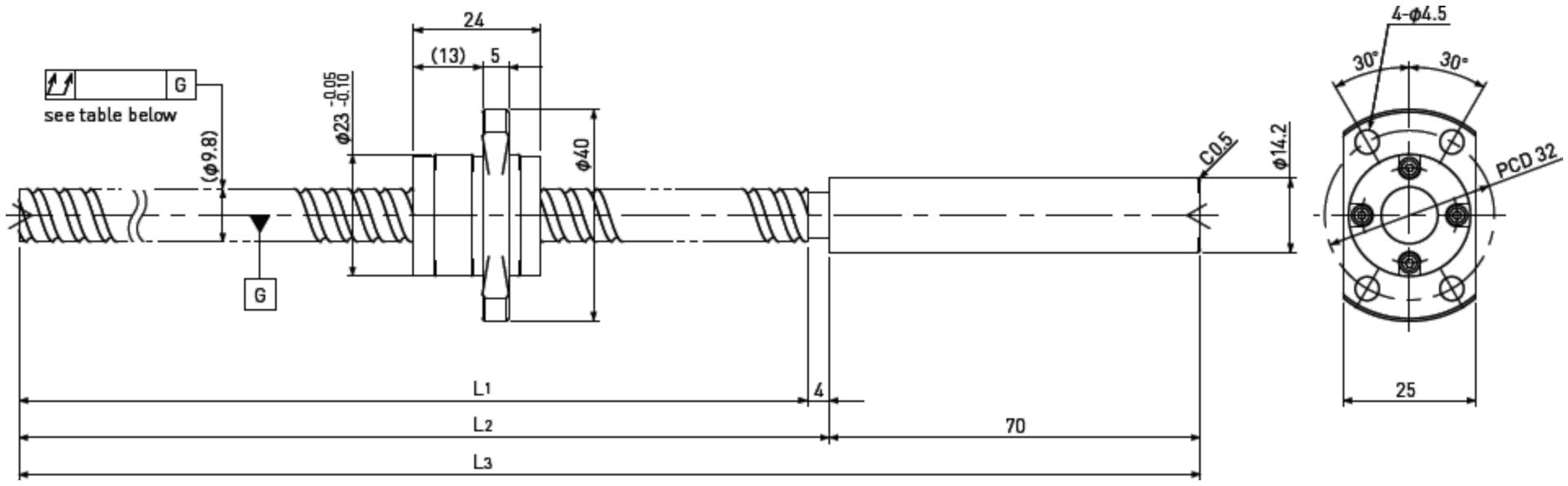
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

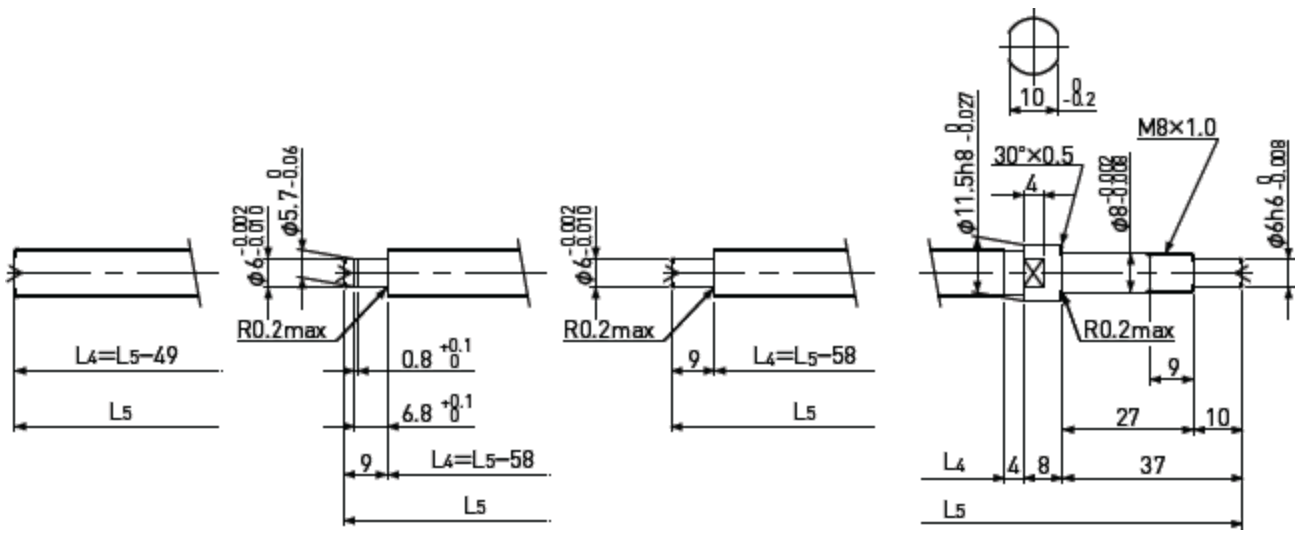


Unit : mm

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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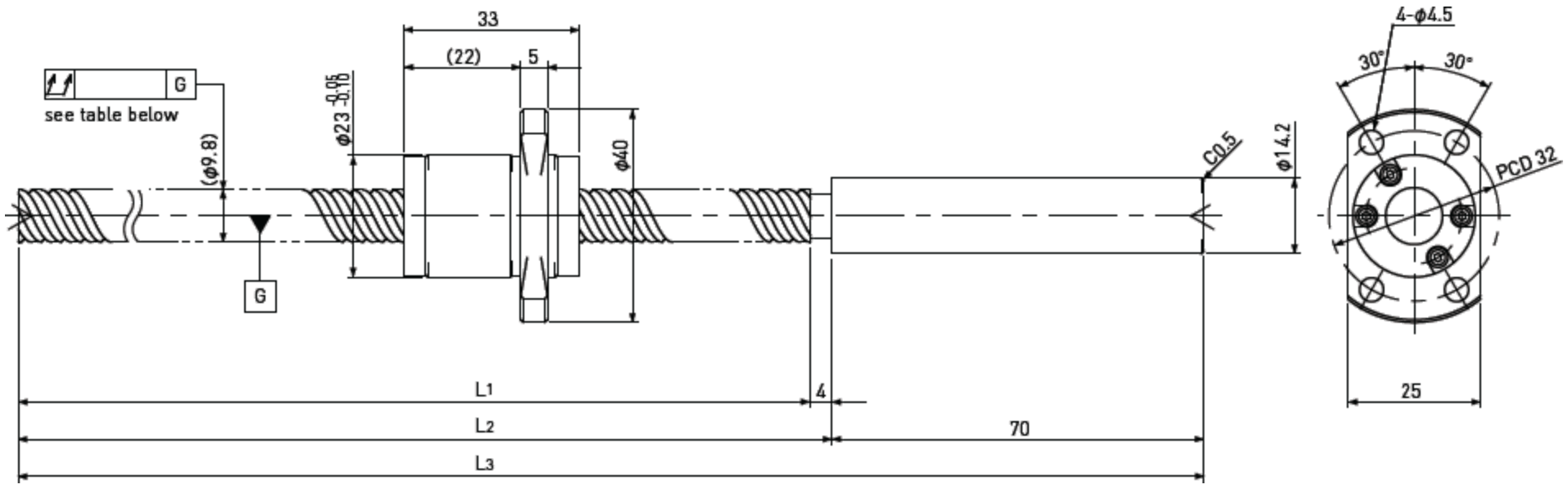
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

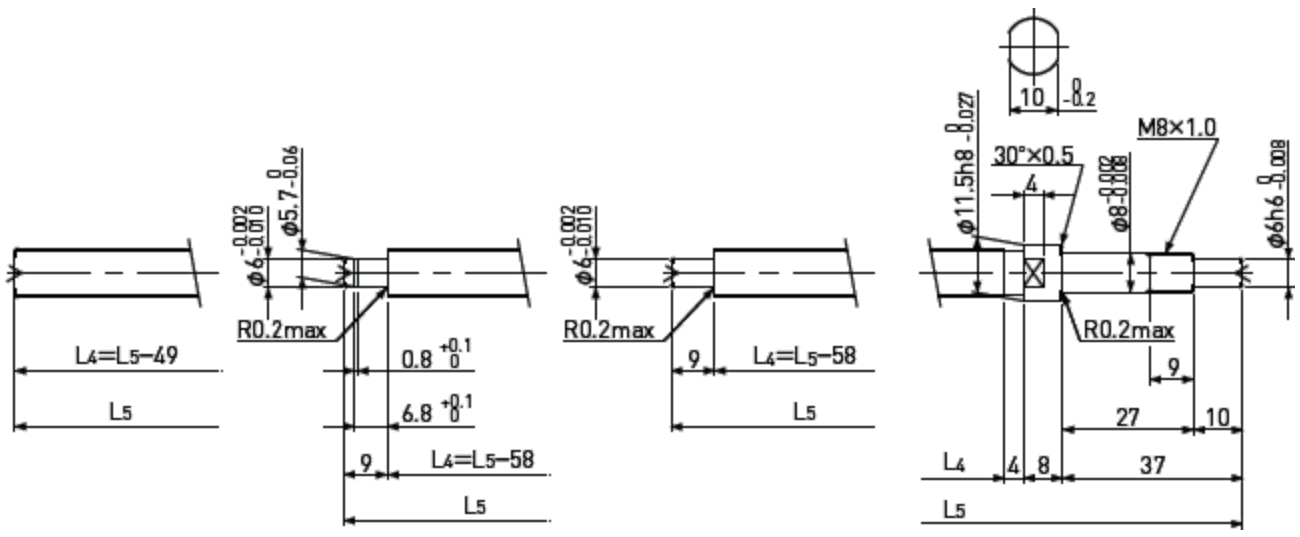


Unit : mm

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.

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
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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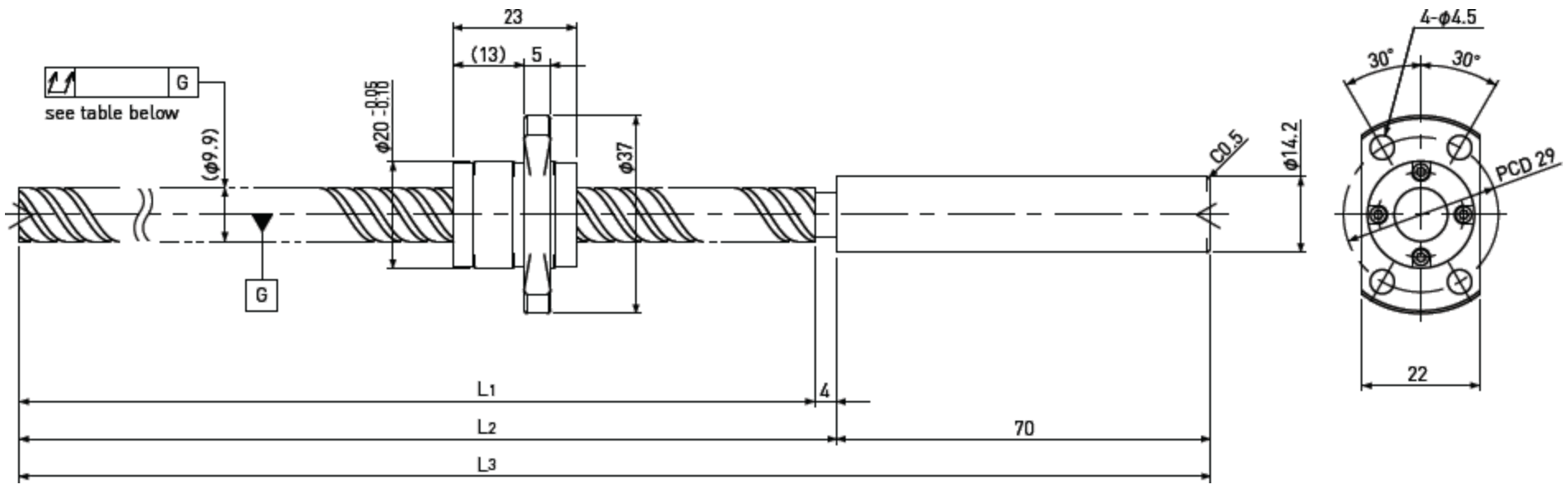
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

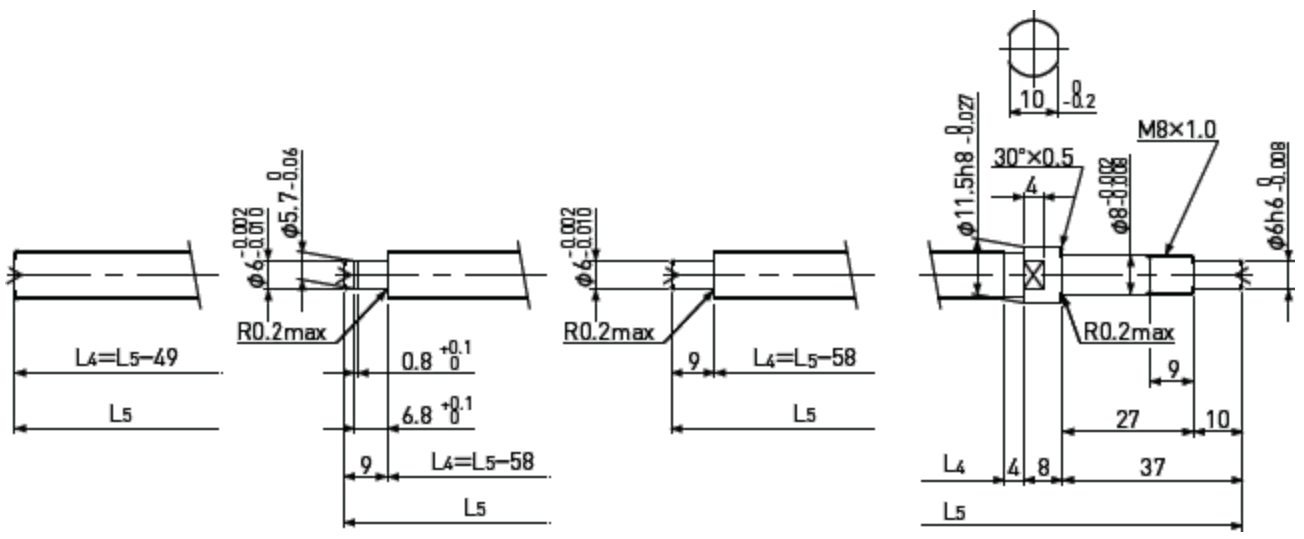


Unit : mm

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.

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
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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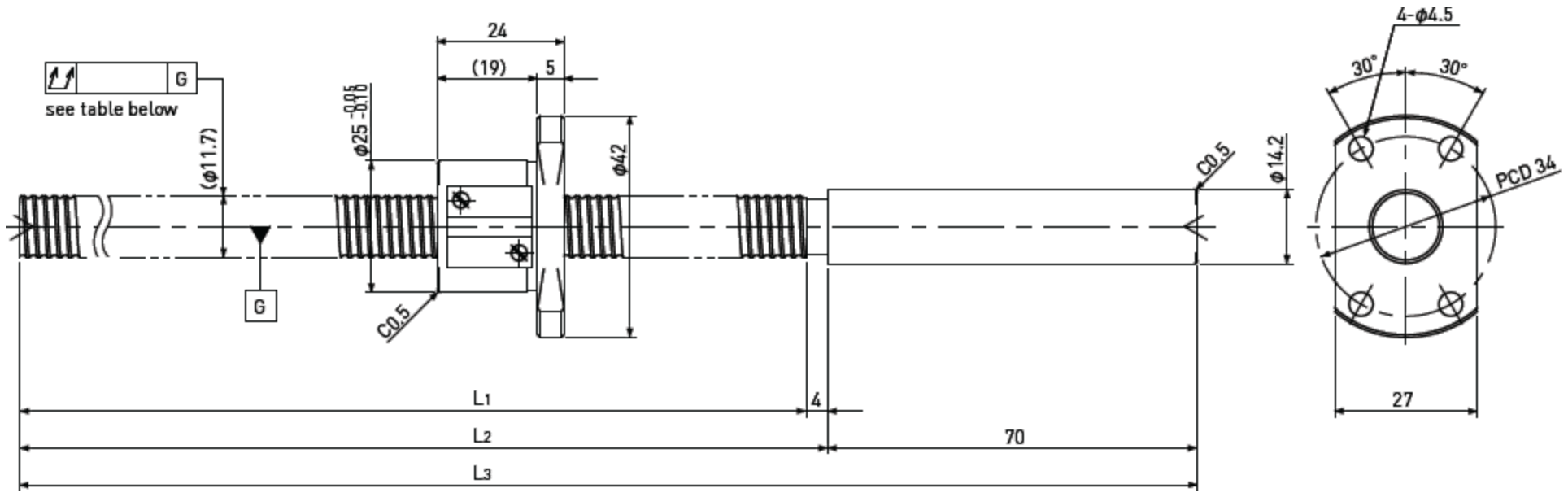
Standard products in stock SRT series

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

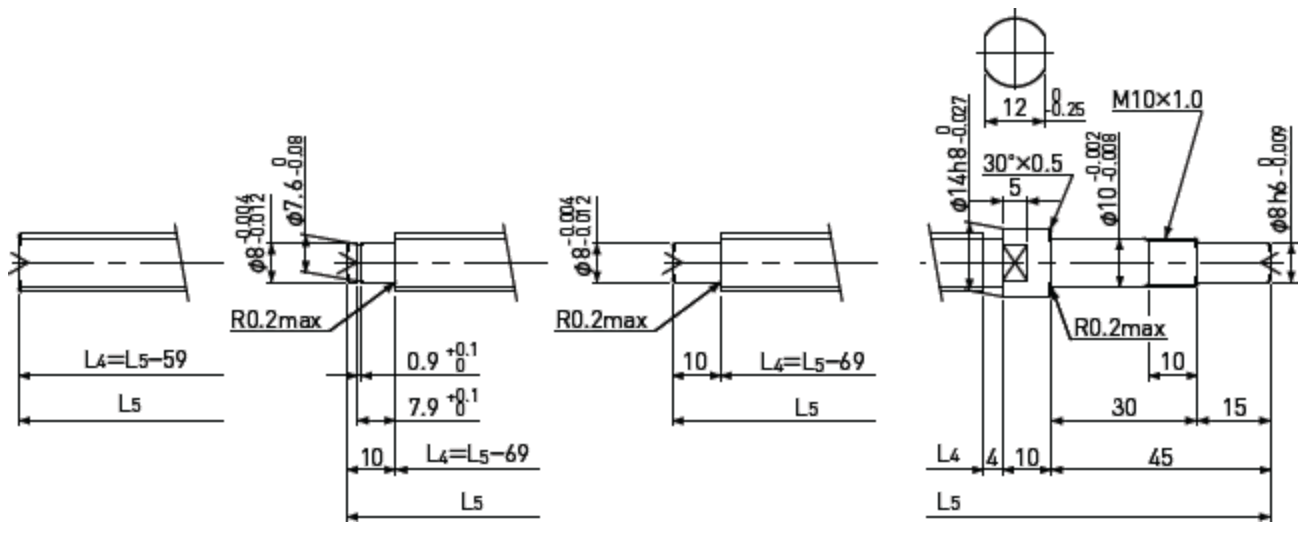


Unit : mm

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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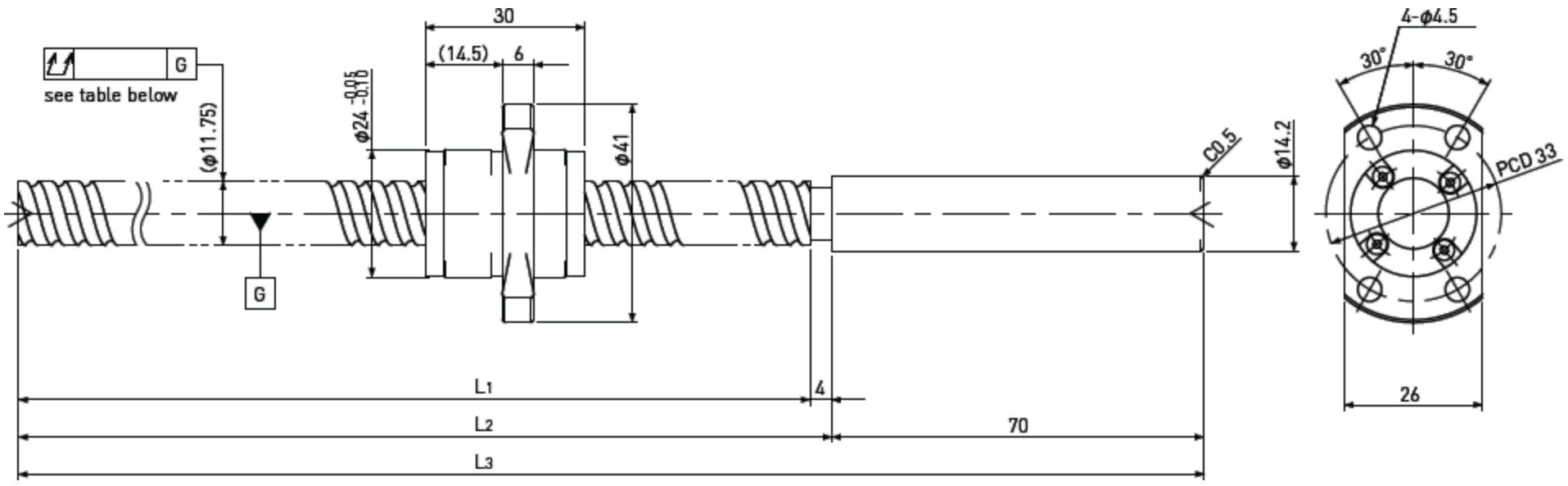
PRECISION MOTION SINCE 1982

Standard products in stock SRT series

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

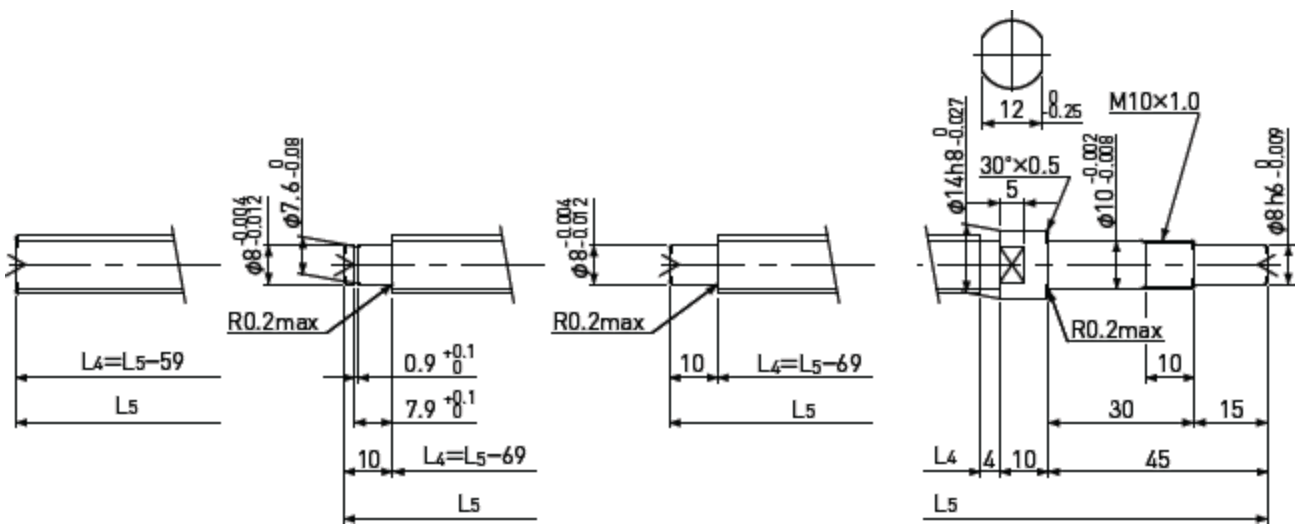


Unit : mm

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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PRECISION MOTION SINCE 1982

Standard products in stock SRT series

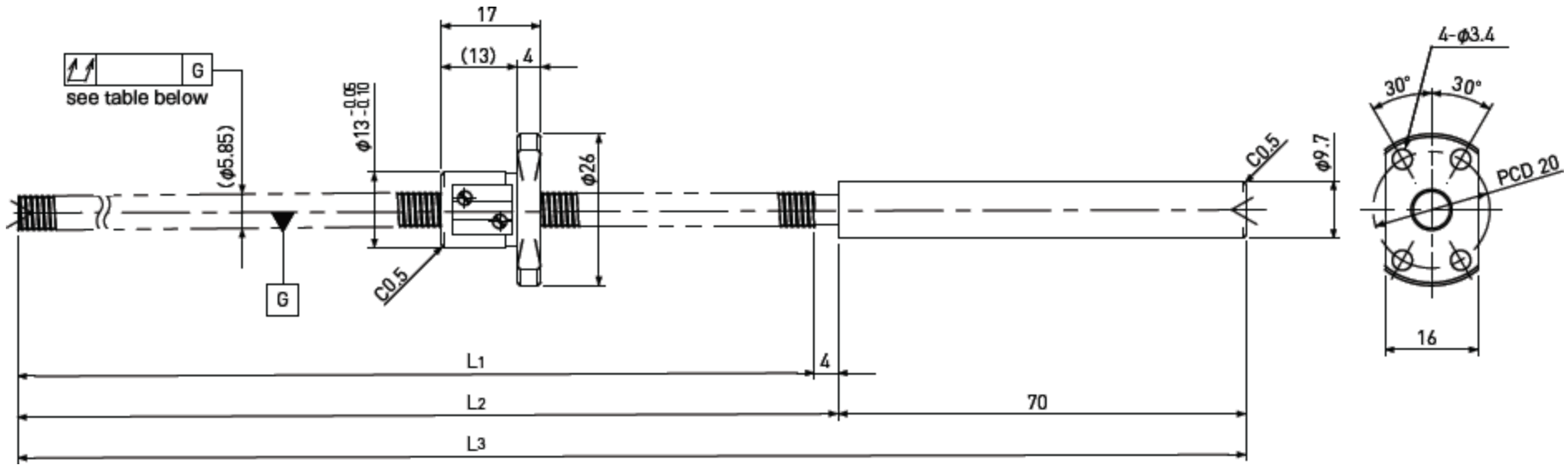
SSRT0601

Stainless

Shaft dia. ø6

Lead 1mm

Ct7&Ct10

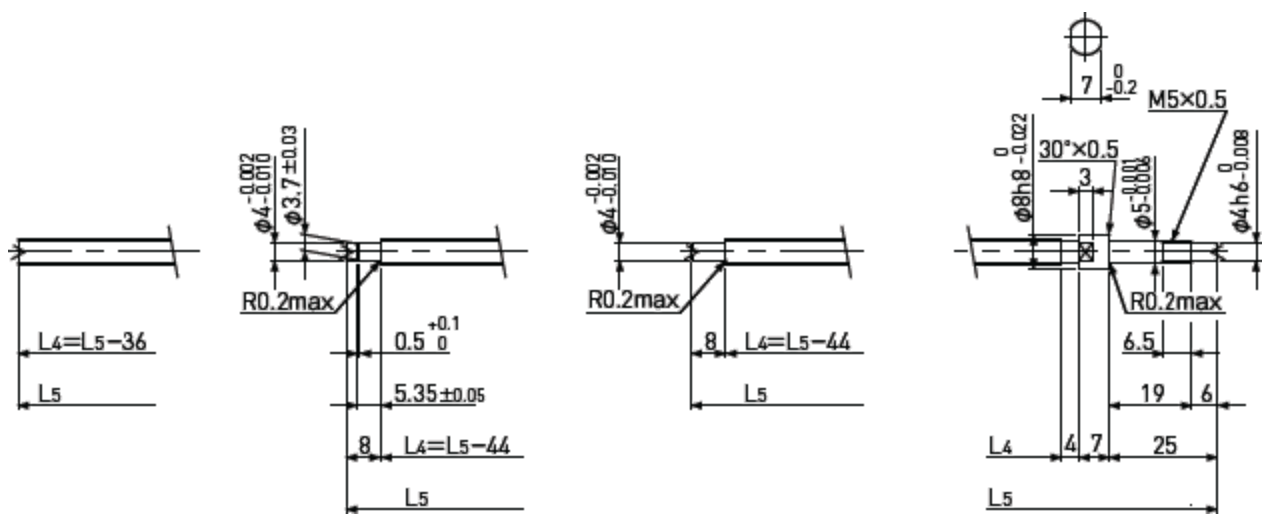


Unit : mm

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				

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PRECISION MOTION SINCE 1982

Standard products in stock SRT series

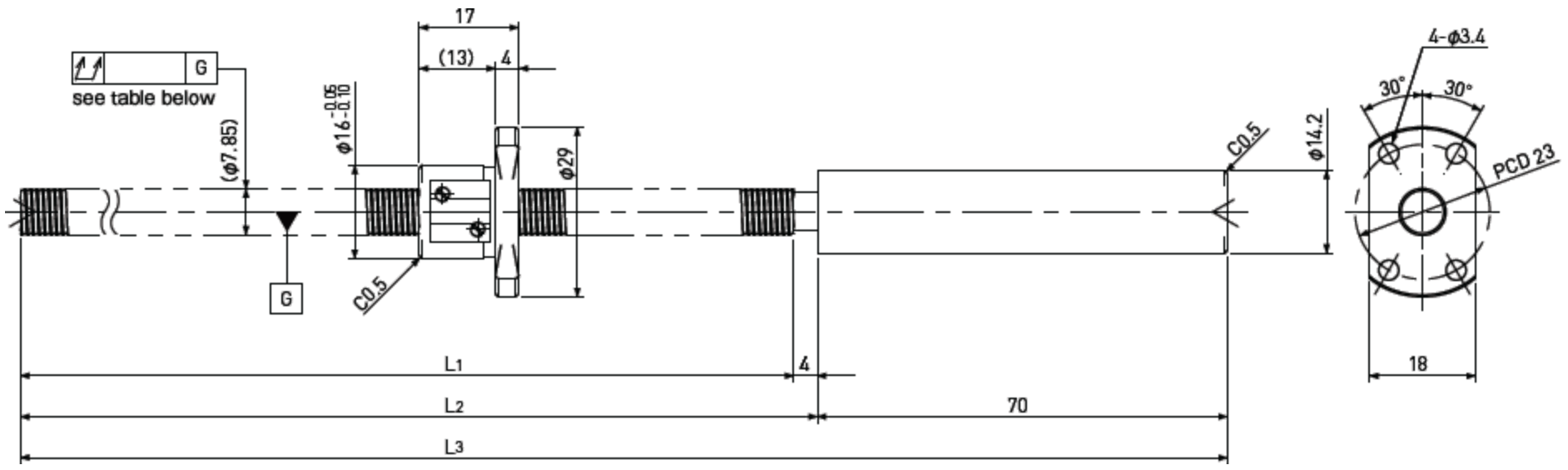
SSRT0801

Stainless

Shaft dia. ø8

Lead 1mm

Ct7&Ct10

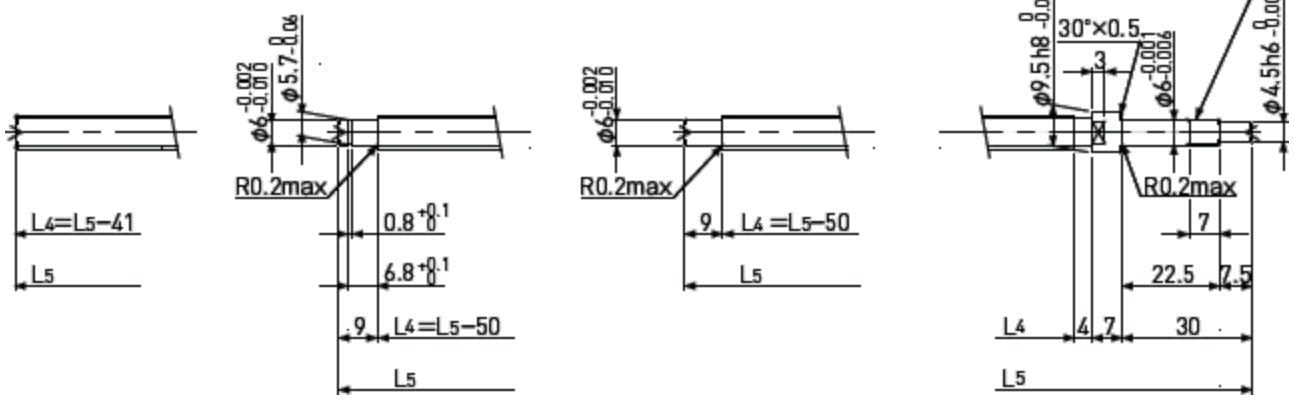


Unit : mm

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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PRECISION MOTION SINCE 1982

Standard products in stock SRT series

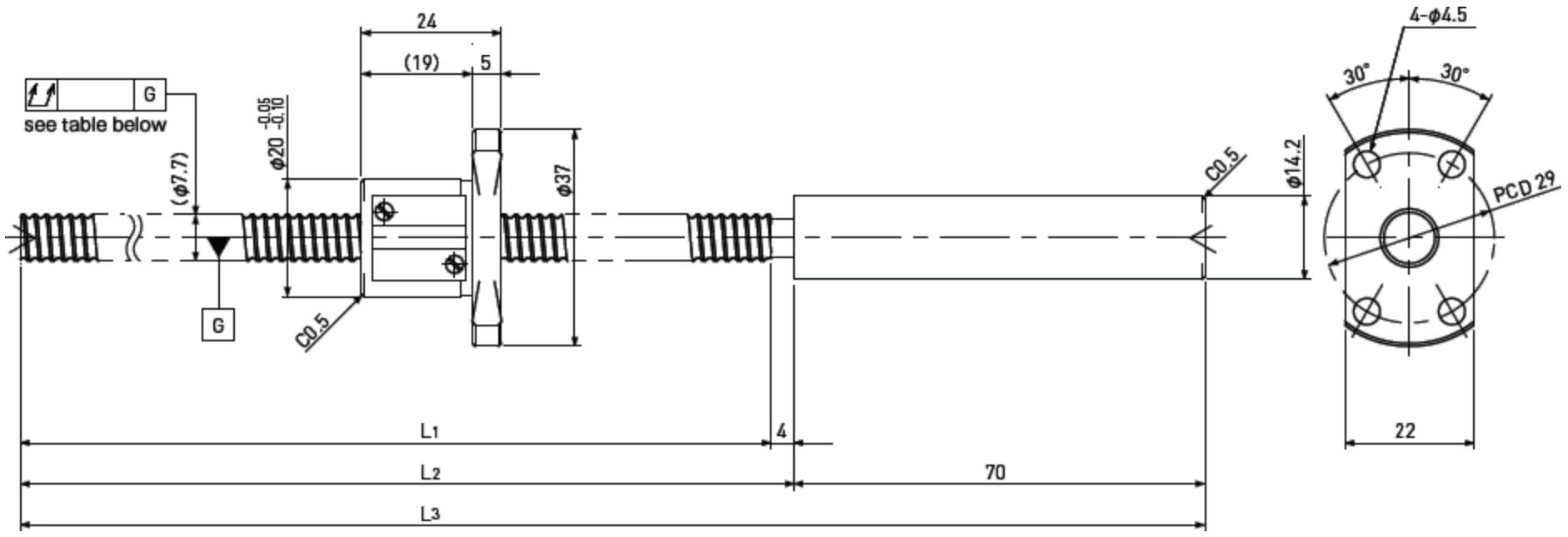
SSRT0802

Stainless

Shaft dia. ø8

Lead 2mm

Ct7&Ct10

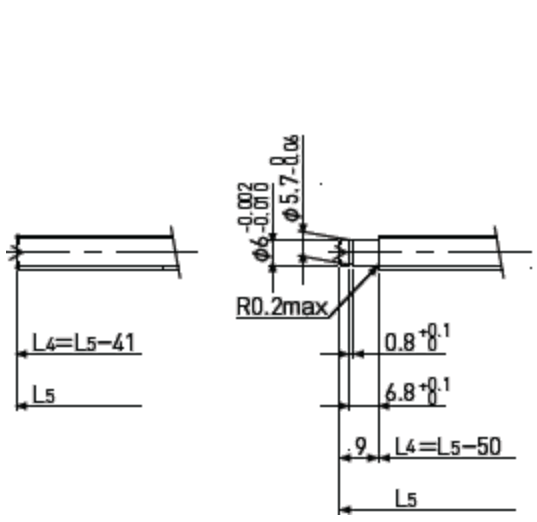


Unit : mm

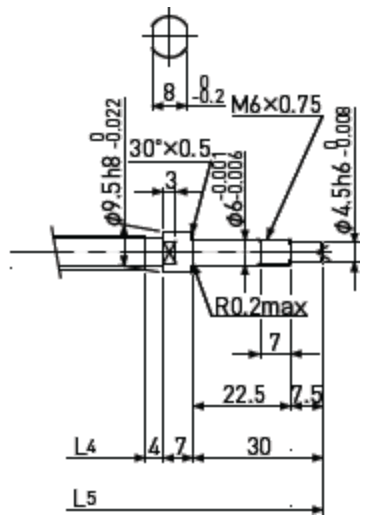
Ball Screw Specifications		
Ball size		ø1.5875
Number of thread		1
Thread direction		Right
Shaft root dia.		ø6.6
Number of circuit		3.7×1
Material	Shaft	SUS440C+SUS303
	Nut	SUS440C
Surface hardness		HRC55~ (Thread area)
Anti-rust treatment		Anti-rust oil

End-journal profile

A-type B-type C-type



Supported-side



Fixed-side

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
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				

Standard products in stock SRT series

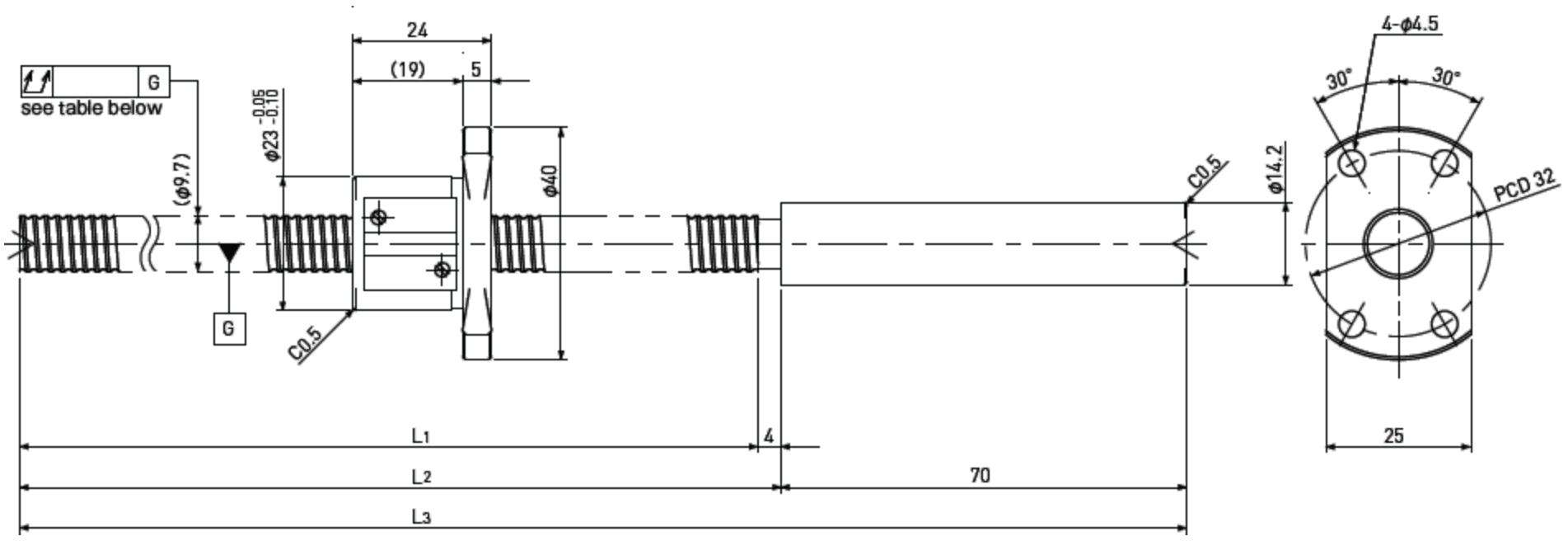
SSRT1002

Stainless

Shaft dia. ø10

Lead 2mm

Ct7&Ct10

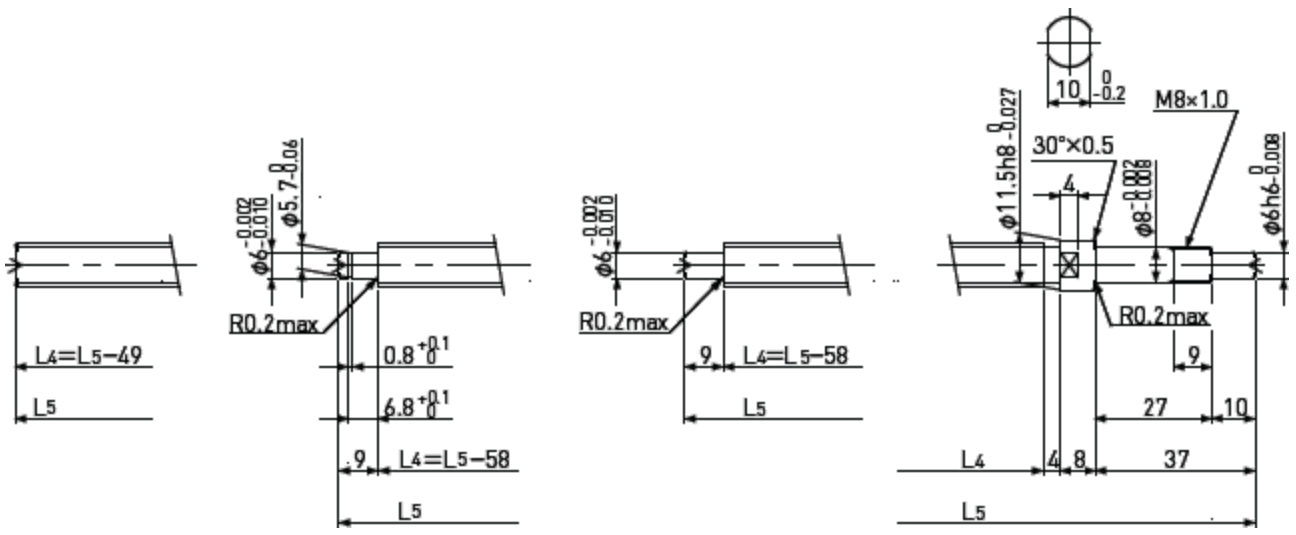


Unit : mm

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				

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BALL SCREW APPLICATION DATA FORM (PART 1)

Name _____ Company _____

Address _____

_____

Tel _____ Fax _____ E-Mail _____

OPERATING LOADS

Normal operating load _____ Kilo/lbs

Load is in tension ☐ Load is in compression ☐ Load is in both ☐

Load is constant ☐ Load is variable ☐

(If load is variable submit load curve diagram.)

Maximum static load in tension _____ Kilo/lbs

Maximum static load in compression _____ Kilo/lbs

Sideloads if any _____ Overturning moment (cantilever loads) _____

Describe _____

_____

DUTY CYCLE

Continuous operation ☐ Intermittent operation ☐ Variable ☐

Time under dynamic load _____ Time at rest _____

Describe operation _____

_____

METHOD OF OPERATION

Screw will be driven ☐ Nut will be driven ☐

The force will be applied to the nut to rotate the screw (back driven screw) ☐

Assembly will be lubricated ☐ Type of lube _____

Please ask our technical staff for recommendations for the best lubricant for your application.

SPEED AND TRAVEL RATE

Rate of travel described in inches per minute _____

Input RPM at screw or nut _____

Amount of torque available _____

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BALL SCREW APPLICATION DATA FORM (PART 2)

TRAVEL LENGTH AND SUPPORTS

What is the unsupported screw length between bearings in/mm

Does the nut travel the full length of the screw in/mm

If not, over what area does the nut travel

Is the screw operated in a vertical ☐ Horizontal ☐ Other, please state

What type of end supports are you using?

LEAD ACCURACY

Standard accuracy (.015 in per ft max) / 0.3mm per 300mm) ☐

Precision rolled thread accuracy required (0.003 in per ft) / (.07mm per 300mm) ☐

Ground precision accuracy required (.0005 in per ft) / (.01mm per 300mm) ☐

Better than the above required? Please state 0.0mm / 300mm

SCREW SIZE

Standard backlash OK (up to .007in) / (.1778mm) ☐

Reduced backlash required (.002 in max) / (.0508mm) ☐

Zero backlash required ☐

ENVIRONMENT

Will operate at normal room temperature ☐

Will operate at very high temperatures ☐

Will operate at very low temperatures ☐

Will operate in very dirty / dusty conditions ☐

Will operate where metal chips are present ☐

Will operate in corrosive atmosphere ☐

STRAIGHTNESS

Standard straightness OK (.01in per ft) 0.254mm / 300mm ☐

Special straightness required (.002in per ft) 0.0508mm / 300mm ☐

Straightness better than 0.002in per ft required 0.0508mm / 300mm ☐

END MACHINING

If you want to order the screws with the ends already machined to your specifications, submit a sketch or drawing with details and tolerances required.

QUOTATION INFORMATION

Quantity desired

Delivery schedule

Please submit any additional data you feel would be helpful to us in selecting the proper screw size and in submitting your quotation. Attach drawings of screw and nut if available.

Suggestions, help and advice is given in good faith but without responsibility. It remains the responsibility of the customer or end user to ensure that the product chosen meets their life, duty cycle and other performance criteria.

T: +44 (0)1386 421005 ***F:*** +44 (0)1386 422441 ***E:*** sales@abssac.co.uk ***W:*** www.abssac.co.uk

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STANDARD CONDITIONS OF SALE

1. Interpretation

1.1 In these Conditions:
"Buyer" means the person who accepts a quotation of the Seller for the sale of the Goods or whose order for the Goods is accepted by the Seller
"Goods" means the goods (including any instalment of the goods or any parts for them) which the Seller is to supply in accordance with these Conditions
"Seller" means ABSSAC LIMITED a company incorporated in England and whose registered number is 1677177.
"Conditions" means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Buyer and the Seller
"Contract" means the Contract for the purchase and sale of the Goods
"Writing" includes telex, cable, facsimile transmission, E-Mail and comparable means of communication

1.2 Any reference in these Conditions to any provision of a statute shall be construed as a reference to that provision as amended, re-enacted or extended at the relevant time

1.3 The headings in these Conditions are for convenience only and shall not affect their interpretation

2. Basis of the sale

2.1 Subject to Condition 3 below, the Seller shall sell and the Buyer shall purchase the Goods in accordance with any oral or written order of the Buyer which is accepted by the Seller, or any written quotation of the Seller which is accepted by the Buyer, subject to these Conditions which shall govern the Contract to the exclusion of any other terms and conditions subject to which any such quotation is accepted or purported to be accepted, or any such order is made or purported to be made, by the Buyer

2.2 No variation, addition or waiver of any of these Conditions shall be effective unless it is in Writing and signed by a duly authorised representative of both the Seller and the Buyer

2.3 The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Seller in Writing. In entering into the Contract the Buyer acknowledges that it does not rely on any such representations which are not so confirmed

2.4 Samples supplied and advice or recommendations as to storage, application or use of the Goods given by the Seller or its employees or agents to the Buyer or its employees or agents are for guidance only and any such matter which is not confirmed in Writing by the Seller is followed or acted upon entirely at the Buyer's own risk and accordingly the Seller shall not be liable for any such advice or recommendation which is not so confirmed then the Buyer should depend on their accuracy only after obtaining specific written confirmation to that effect from the Seller

2.5 Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Seller shall be subject to correction without any liability on the part of the Seller

3. Quotations and acceptance of orders

3.1 Quotations issued by the Seller are invitations to order Goods from the Seller. No Contract will exist until the Seller has accepted the Buyer's order in accordance with condition 3.3.

3.2 Subject to condition 3.1 the price in the quotation should be valid for a period of 30 days from the date of the quotation unless otherwise advised by the Seller in Writing

3.3 The Seller shall not be bound by any order submitted by the Buyer unless and until confirmed by the Seller in Writing

3.4 Scheduled call off purchase orders made by the Buyer with the Seller are for twelve month periods only, or until 19th December ofthat year, depending which comes first unless otherwise agreed in Writing by the Seller

3.5 The Buyer is committed to purchasing any remaining amount of products on his purchase order if the Buyer decides to cancel the order mid schedule unless otherwise agreed in Writing by the Seller

3.6 No order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement in Writing of the Seller on the terms that the Buyer shall indemnify the Seller in full against all loss (including loss of profit), costs (including the costs of all labour and materials used), damages, charges and expenses incurred by the Seller as a result of cancellation.

3.7 Compliance with United States Export Regulations
It is Abssac's policy to request, if applicable, the end use and end user details in all sales and repairs of USA origin products and in all transfers of technical data or software to ensure compliance with applicable u.s. export control laws and regulations. Because the products you are purchasing may be used outside of the United States, we will need confirmation of the following from the (buyer). It is on the onus of the buyer to ensure that Abssac is informed of the following information.

1.1 (Buyer) will not export or re-export any USA origin products, technology or software to Cuba, Iran, Iraq, Libya, North Korea, Sudan, or Syria, unless otherwise authorized by the United States Govern ment.

2.1 (Buyer) will not sell, transfer, export or re-export any USA origin products for use in activities which involve the development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use USA origin products in any facilities which are engaged in activities relating to such weapons.

3.1 (Buyer) acknowledge that u.s. law prohibits the sale, transfer, export or re-export or other participation in any export transaction involving USA origin products with individuals or companies listed in the u.s. Commerce Department's Table of Denial Orders, the u.s. Treasury Department's list of Specially Designated Nationals or the u.s. Department of State's list of individuals debarred from receiving Munitions List items.

4.1 (Buyer) will abide by all applicable u.s. export control laws and regulations for any products purchased from USA origin products, software or technology.

5.1 (Buyer) agree that the export control requirements in No. 1-4 above shall survive the completion, early termination, cancellation or expiration of the applicable purchase order, agreement or contract.

4. Specifications

4.1 The Buyer shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) submitted by the Buyer, and for giving the Seller any necessary information relating to the Goods within a sufficient time to enable the Seller to perform the Contract in accordance with its terms

4.2 The quantity, quality and description of any specification for the Goods shall be those set out in the Seller's quotation (if accepted by the Buyer) or the Buyer's order (if accepted by the Seller)

4.3 If Goods are supplied in accordance with the Buyer's specifications the Buyer shall be solely responsible for the specifications and ensuring that they are accurate

4.4 If any technical calculations are made by the Seller using information supplied by the Buyer the Buyer accepts that they are responsible for supplying accurate technical information and accordingly the Seller is not liable in respect of calculations based on incorrect information given

4.5 If Goods are to be manufactured or any process is to be applied to the Goods by the Seller in accordance with a specification or request submitted by the Buyer or should any change be made to the Goods at the request of the Buyer the Buyer shall indemnify the Seller against all loss damages costs and expenses awarded against or incurred by the Seller in connection with or paid or agreed to be paid by the Seller in settlement of any claims for infringement of any patent, copy right, design, trade mark or other industrial or intellectual property rights of any person which results from the Seller's use of the Buyers specification

4.6 The Seller reserves the rights to make any changes in the specification of the Goods which are required to conform with any applicable statutory or EC requirements or, where the Goods are to be supplied to the Seller's specification, which do not materially affect their quality or performance

4.7 At all times the buyer has the responsibility to adequately guard and maintain the product supplied in accordance with relevant operation manuals, service factors and health and safety legislation applicable for any product supplied by ABSSAC Limited.

4.8 The seller (Abssac Limited) shall not in any event be liable for any consequential damages, secondary charges, expenses for installing or disconnecting, or losses or injuries to persons or property resulting from any alleged defect in the product or any use of the product, and lor in manner that exceeds its design, duty cycle and or ability.

4.9 It remains the responsibility of the buyer to test any samples or other products that the seller will provide for fatigue, stress and general ability in the application. All products that the seller provides and are used in both real and test situations are considered by Abssac Ltd to have been thoroughly tested to meet and exceed the anticipated life and duty requirement of the product in its application by the buyer. It remains the responsibility of the buyerto give all technical information to the seller and all buyers are responsible for meeting health and safety measures and adequately guarding users and all associated parties against all and any possible failures in line with the health and safety requirements.

Other Where recommended guidelines of serviceable or replaceable parts and maintenance/inspection requirements are exceeded or ignored by the user and/or buyer, no warranty or other claim can or will exist. Where minimum or maximum values/sizes/limits/dimensions/fitting instructions and technical data of parts are ignored/abused/extended/not applied/not actioned or used in excess ofthe design or standard parameters ofthe product by the user and/or buyer then no warranty claim or other claim can exist.

No warranty or other claim can exist or be made by the user or buyer or other to the seller or its agent or other for any part used in motor sport, military or aviation. No warranty is given to this type of application.

All or any secondary or further processes/disassembly/machining/ heating/drying/coating or any other additional process the originally supplied product or associated part/product after dispatch from the seller or its agent voids any warranty claim or other claim.

It remains the responsibility of the buyer or user to advise us the seller of any and all certification/test/traceable certification requirement.

Conversations may be recorded as part of our ongoing customer service program.

5. Packaging

5.1 Packaging for the Goods shall be at the discretion of the Seller which has the right to pack the Goods in such a manner and with such materials and in such quantities as in his absolute discretion thinks fit unless detailed packaging instructions are received from the Buyer prior to agreeing a price for the Goods which the Seller agrees to in Writing

6. Price of the Goods

6.1 Price of the Goods shall be the Seller's quoted price or, where no price has been quoted (or a quoted price is no longer valid) the price listed in the Seller's published price list current at the date of acceptance of this order. Where the Goods are supplied for export from the United Kingdom, the Seller's published export price list shall apply. All prices quoted are valid for 30 days only or until earlier acceptance by the Buyer, after which time they may be altered by the Seller without given giving written notice to the Buyer

6.2 The price is exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the Seller

6.3 All prices stated shall be subject to variation at the sole discretion of the Seller at any time without prior notice and the Seller shall notify the Buyer of any variation before delivery of the Goods

7. Payment

7.1 Liability for payment for the Goods supplied to customers who have a trading account with the Seller shall arise on delivery and payment in cash is due 30 days from the date of the invoice or as otherwise specifically agreed in Writing by the Seller. Payment shall be due and the company shall be entitled to sue for the price whether or not property in the Goods has passed by virtue of condition 10 and not withstanding the delivery may not have taken place as a result of the Buyer's wrongful or refusal to accept delivery. The time of payment of the price shall be of the essence of the Contract

7.2 Liability for payment forthe Goods supplied on a proforma invoice basis for customers who do not have a trading account with the Seller shall be prior to delivery of the Goods. The ti me of payment of the price shall be of the essence of the Contract. It is the Buyer's responsibility to give written notice to the Seller of any payment under proforma invoice arrangements

7.3 Sums paid after the due date shall pay interest until the day payment is received at the rate of 5% per annum above the base rate from time to time of National Westminster Bank Pic occurring from day to day from the date of delivery until the date of payment in full

7.4 If the recovery of sums outstanding from the Buyer is passed to a debt collection agency the Buyer shall pay the Seller's costs in instructing the said debt collection agency and all ancillary legal costs

7.5 Without prejudice to any other rights or remedies ofthe Seller any in default of the Buyer in making payment on the due date shall entitle the Seller to suspend deliveries under the Contract or any other Contract so long as the default continues and break the Contract as repudiated by the Buyer and determined if the Buyer has not within 14 days of receiving written notice from the Seller paid all sums due to the Seller.

8. Delivery

8.1 Delivery shall take place when the Goods are unloaded at or delivered to the Buyer's premises or other delivery location agreed between the Seller and the Buyer exceptthat if the Buyer collects or arranges collection of the Goods from the Seller's premises, or nominates a carrier for the Goods delivery shall take place when the Goods are loaded on the collection or carriers vehicle

8.2 Any dates quoted for delivery of the Goods are approximate only and the Seller will not be liable for any delay in delivery of the Goods however so caused. Time for delivery shall not be of the essence of the Contract unless previously agreed by the Seller in Writing. The Goods may be delivered by the Seller in advance of the quoted delivery date upon giving responsible notice to the Buyer

8.3 The Buyer shall accept immediate delivery or arrange to collect the Goods or arrange suitable storage, failing which the company may either:

8.3.1 effect delivery by whatever means they think most appropriate; or

8.3.2 arrange storage atthe Buyer's risk and expense pending delivery; or

8.3.3 re-sell or otherwise dispose ofthe Goods without prejudice to any other rights the Seller may have against the Buyer for breach of Contract or otherwise

8.4 Where the agreement provides for delivery by instalments each delivery shall constitute a separate Contract and failure by the Seller to deliver any one or more of the instalments in accordance with these Conditions or any claim by the Buyer in respect of any one or more instalments shall not entitle the Buyer to treat the Contract as a whole as repudiated

8.5 The Buyershall not be entitled to reject the Goods by reason only of short delivery

8.6 The quantity of the Goods delivered under the Contract shall be recorded by the Seller upon dispatch from the Seller's factory or warehouse and the Seller's records shall be accepted by the Buyer as conclusive evidence of the quantity delivered.

8.7 It is the Buyer's responsibilityto notify the seller if Goods have not been received by the Buyer within seven days of the date of receipt of the Seller's invoice, therefore, if no notification is made the Buyer shall be deemed to have received the Goods.

8.8 If the Seller fails to deliver the Goods (or any instalment) for any reason other then any cause beyond the Seller's reasonable control or the Buyer's fault, and the Seller is accordingly liable to the Buyer, the Seller's liability shall be limited to the excess (if any) of the cost to the Buyer (in the cheapest available market) of similar Goods to replace those not delivered over the price of the Goods. The seller is under no obligation or liability in respect of failure to complete or delay or failure to deliver the goods comprised in any order or contract caused directly or indirectly by act of war or terrorism, strikes, lockouts, labour troubles, breakdowns, delays in transport, accidents, delay in obtaining material, fire, government prohibition, delivery of necessary fuel requirements, any and all problems or other restrictions relating to design or other manufacturing difficulties that arise during an order.

8.9 If the Buyer fails to take delivery of the Goods or fails to give the Seller adequate delivery instructions at the time stated for delivery (otherwise than by reason of any cause beyond the Buyer's reasonable control or by reason of the Seller's fault) then, with out prejudice to any other right or remedy available to the Seller, the Seller may:

8.9.1 store the Goods until actual delivery and charge the Buyer for the reasonable costs (including insurance) of storage;
or

8.9.2 sell the Goods at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) account to the Buyer for the excess over the price under the Contract or charge the Buyer for any shortfall below the price under the Contract

9. Examinations and claims

9.1 The Buyer shall upon delivery examine the Goods and shall promptly (but in any event within seven working days of delivery) notify in Writing the Seller and the carrier, where relevant, of any apparent damage defect or shortage.

9.2 The Buyer shall comply with the carriers rules, regulations and requirements so as, when appropriate, to the Seller to make a claim against the carrier in respect of any damage or loss in transit.

9.3 Claims in respect of damage defects or shortage not apparent on examination and under clause 9.1 must be notified in Writing to the Seller within 7 days of the date of delivery

9.4 Notification under clauses 9.1 to 9.3 above shall be first made by telephone then by notice in Writing delivered by facsimile transmission or by first class recorded delivery mail and addressed to Abssac Limited Units 19/20 Bond Industrial Estate Wickhamford Evesham Worcs WRll 7RH.

9.5 In default of such notification the seller shall be deemed conclusively to have properly preformed its obligations under the Contract.

10. Property and risk

10.1 All risk including that of dam age to or loss of the Goods shall pass to the Buyer:

10.1.1 at the time when the Seller notifies the Buyer that the Goods are available for collection the case of Goods to be supplied at the Seller's premises
or

10.1.2 at the time of delivery but prior to unloading or if the Buyer wrongfully fails to take delivery of the Goods at the time when the Seller has tendered to delivery of the Goods in the case of Goods to be supplied otherwise than at the Seller's premises
or;

10.1.3 at the time of delivery of the Goods to a carrier for delivery to the Buyer in the case of Goods to be supplied in a manner otherwise than as set out in Conditions 10.1.1 or 10.1.2 above

10.2 The Buyer shall fully insure the Goods against all risks from the times stipulated forthe passing of risk in condition 10.1 above up to the time when the proprietary rights in such Goods pass to the Buyer

10.3 Property (both legal and beneficial) in the Goods shall remain in the company until all sums owing to the Seller whether under the Contract or any other Contract at any time between the Seller and the Buyer made prior to the date of the Contract ("the Indebtedness) shall have been paid in full, until such time the Buyer shall hold the Goods as bailee for the Seller

10.4 The Buyer shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Buyer does so all moneys owing by the Buyer to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable

10.5 The Buyer until otherwise notified by the Seller or on the happening of any of the event specified in Condition 10.7 ("the Events") may in the ordinary course of business sell the Goods and pass property in them ("the Re-Sale") subject to the stipulations ("the Stipulations") imposed in Condition 1 0.5

10.6 The Stipulations are that until the Indebtedness has been fully discharged;

10.6.1 the Goods shall not be converted into any other product or mixed with any other Goods to make another product ("the New Product") nor will the Buyer sell the New Product and property in it ("the Sale") but if the Buyer in breach of the above provision does convert or mix the Goods property in the New Product shall atthe earliest moment that such vesting is possible, vest and remain in the Seller whether or not property in the Goods is at the moment extinguished

10.6.2 the Re-Sale shall be for the account of the Seller and, unless the Seller by written notice requires the paymentto it of the proceeds ofthe Re-Sale ("the Proceeds") to the extent of the Indebtedness, in which case the Buyer shall forthwith on receipt of such notice or as soon as thereafter as it shall receive the Proceeds makes its payment, the Buyer shall retain the Proceeds in a separate bank accountto the order of the Seller and not mix them with any other monies

10.6.3 in the event of a breach by the Buyer of its obligations under additions 10.6.1 the Seller shall have the right to trace the Proceeds in to any other moneys which may have been mixed and the Buyer shall indemnify the Seller on a full indemnity basis against loss, damage, costs or expenses incurred in such tracing

10.6.4 until the Re-Sale the Seller has have the right to repossess the Goods or take possession of the New Product at any time and for this purpose shall have the right to enter on to any premises or land in the ownership or possession of the Buyer and remove the Goods and/or the New Product not withstanding that they are affixed to such premises or land and the Buyer shall indemnifythe Seller on a full indemnity basis against all loss, damage, costs or expenses so arising including loss, damage, costs or expenses in respect of third party claims. Such taking of possession re delivery shall be without prejudice in the obligation of the Buyer to purchase Goods

10.6.5 the Goods and the New Product shall until their Re-Sale or Sale be stored separately, protected and insured and identified and clearly marked as the Seller's property

10.7 The Events are;

10.7.1 The giving of any notice to the Buyer that a receiver, manager, administrative receiver, supervisor, nominee or administrator is to be or has been appointed over any of the property or assets of the Buyer or that a petition to wind up the Buyer is to be or has been presented or that an application for an administration order is to be or has been made or any notice of a resolution to wind up the Buyer (say for the purposes of bona fide reconstruction or amalgamation)

10.7.2 A decision by the Buyer that the Buyer intends to make any arrangement or composition with its creditors generally.

10.7.3 Where the Buyer pursuant to section 123 or 268 of the Insolvency Act 1986 appears to be unable to pay a debt or appears to have no reasonable prospects of being able to pay a debt

10.7.4 any distress or execution levied as threatened to be levied on any property or assets of the Buyer

10.7.5 the inability of the Buyer to pay its debts as they fall due

10.7.6 on receipt of notification from the company under Condition 10.5 or on the happening of any of the Events the Buyer shall immediately deliver the Goods and the New Product property in which the Product is reserved to or is vested in the Seller to such address as the Seller shall specify in default of which or in the alternative, the Seller shall have the right to enter on any premises or land in the ownership or possession of the Buyer in order to recover the Goods and the New Product and the Buyer shall indemnify the Seller on a full indemnity basis against all loss, damage, costs or expenses as arising including loss, damage, cost or expenses in respect of third party claims

11. Breach by or insolvency by the Buyer

11.1 if the Buyer shall not comply with any of its obligations to the Seller or upon the occurrence of any of the Events referred to in clause 10.7 the Seller shall have the right forthwith to terminate the Contract but without affecting any other claim right or remedy of the Seller against the Buyer and without any liabilityto the Buyer, and if the Goods have been delivered but not paid for the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary

12. Export Terms

12.1 In these Conditions "Incoterms" mean the international rules for the interpretation of trade terms of the International Chambers of Commerce as in force at the date when the Contract is made. Unless the Context otherwise requires, any term or expression which is defined in or given a particular meaning my the provisions Incoterms shall have the same meaning in these Conditions, but if there is any conflict between the provisions of Incoterms and these Conditions, the latter shall prevail

12.2 Where the Goods are supplied for export from the United Kingdom, the provisions of this clause 12 shall (subject to any special terms agreed in Writing between the Buyer and the Seller) apply not withstanding any other provision of these Conditions

12.3 The Buyer shall be responsible for complying with any legislation or regulations governing the importation of the Goods in to the country or destination and forthe payment of any duties on them

12.4 Unless otherwise agreed in Writing between the Buyer and the Seller, the Goods shall be delivered fob the air or sea port of shipment and the Sellers shall be under no obligation to give notice under section 32(3) of the Sale Of Goods Act 1979

12.5 The Buyer shall be responsible for arranging for testing and inspection of the Goods at the Sellers premises before shipment. The Seller shall have no liability for any claim in respect of any defect in the Goods which would be apparent on inspection and which is made after shipment, or in respect of any damage during transit

12.6 Payment of all amounts due to the Seller shall be made by irrevocable letter of credit opened by the Buyer in favour of the Seller and confirmed by a bank acceptable by the Seller, or by telegraphic transfer in to the Sellers aforementioned bank account or if the Seller agrees in Writing on or before acceptance of the Buyer order to waive this requirement, by acceptance by the Buyer and delivery to the Seller of a bill of exchange drawn on the Buyer payable 60 days after sight of the order to the Seller at such branch of National Westminster Bank in England as may be specified in the bill of exchange

12.7 Unless otherwise specifically agreed between the Seller and the Buyer all Exports sales shall be made by delivery to the Buyer's premises and the Seller's prices shall be increased to cover the Seller's costs in making such deliveries

12.8 The Buyer warrants that if an import licence or permit is required for the importation of the Goods into the county or destination then such import licence or permit has been obtained or would be obtain prior to shipment

13. Cancelation, suspension and termination

13.1 If the Buyer shall purport to cancel the whole or any part of the Contract the Seller may by notice in Writing to the Buyer elect to treat the Contract as repudiated and the Buyers shall thereupon be liable to pay the Seller by way of liquidated damages a sum equal to all the expenses incurred by the Seller in connection with the Contract including an appropriate amount in respect of administration overheads, costs and loss of profit. The Sellers reasonable estimate of the expenses incurred shall be final and binding on the parties

13.2 If for any cause whatsoever beyond its control the Seller is unable to make any delivery on the applicable delivery date or preform any of its obligations under the Contract the Seller may be notice in Writing to the Seller terminate the Contract or suspend the Contract without liability of any loss or damage thereby occurred by the Buyer

14. Intellectual property

14.1 The Buyer shall not infringe any patent, trade name, registered design, copyright industrial or other intellectual property right belonging to the Seller in relation to the Goods or any other goods or matters supplied by the Seller with or in relation to the Goods

14.2 The Buyer shall promptly reportto the Seller particulars of any use by any person of a patent, trade name, registered design, trade mark or get up of Goods which might amountto infringement of any patent, trade mark, registered design, copy right, industrial or other intellectual property right attaching to the Goods or to unfair competition on passing off

14.3 In the event that it comes to the notice of the Buyer that any person alleges that a patent, trade name, registered design, copy right, industrial or other intellectual property right is invalid or that they infringe any rights of that person or that they are open to any form of attach the Buyer shall not make any omissions but shall promptly report the matter to the Seller

14.4 The Seller shall have conduct of all proceedings relating to any patent, trade name, registered design, copy right, industrial or other intellectual property right attaching to the Goods

15. Force majeure

15.1 In so far as the performance of the Contract by the Seller may be affected by any strike, any lack of available, shipping or transport or materials, any restriction regulation or decree by any local or municipal authority or government department or by any cause beyond the Seller's reasonable control (which shall be construed without reference to the proceeding causes) the Seller may elect at its absolute discretion either;

15.1.1 to terminate the Contract or;

15.1.2 to proceed to preform or continue performance under the Contract within a reasonable time after the termination of such events of circumstance

15.2 In the event that the Seller makes an election under clause 15.1 the Buyer shall accept the Goods or such part of them as are delivered to it not withstanding any delay

16. Exclusion of Contract (rights of the third party) Act 1999

16.1 Nothing in these Conditions will confer on any third party any benefit or the right to enforce any terms of these Conditions

17. Proper law

17.1 The Contract is and shall be deemed to be made in England and shall in all respects be governed by English Law and shall be subject to the non-exclusive jurisdiction of the English Court

18. General

18.1 Any notice required or permitted to be given by either party to the other under these Conditions shall be in Writing and addressed to that other party at its registered office or principal place of business or such other address as may atthe relevanttime having been notified pursuant to this provision to the party giving the notice

18.2 No waiver by the Seller of any breach of the Contract by the Buyer shall be consider as a waiver of any subsequent breach of the same or any other provision

18.3 If any provision of these Conditions is held by any competent authority to be invalided or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected

18.4 No liability, warranty or any other claim can or will exist for any product(s) during or as a consequence of or any consequence whatsoever resulting directly or indirectly from or in connection with any of the following regardless of any other contributory cause or event from :
Terrorism Terrorism is defined as any act or acts including and not limited to the use or threat of force/violence/harm or damage to life or property orthe threat of such harm or damage including harm or damage by nuclear and or chemical and or biological and or radiological means. Caused or occasioned by any persons or groups or so claimed in whole or in part for political religious ideological or similar purposes. Or, any action taken in controlling preventing suppressing or in anyway relating to the above.
War War or invasion, act of foreign enemy hostilities of a warlike operation or operations (whether war be declared or not) civil war rebellion revolution insurrection civil commotion assuming the proportions of or amounting to an uprising military or usurped power. Or any action taken in controlling preventing suppressing or in any way relating to any of the above.

18.5 Any dispute arising under or in connection with these Conditions or the sale ofthe Goods shall be referred to arbitration by a single arbitrator appointed by agreement or (in default) nominated on the application of either party by the president forthetime being of the Law Society.
Abssac Limited may make changes to the contents/ improvements and/or changes in the product(s) or service(s) described in this publication at any time.

August 2013.