

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<br>Shaft dia. | 1                    | 2                    | 2.5  | 4    | 5    | 6    | 8    | 10   | 12   | 15   | 20   |
|--------------------|----------------------|----------------------|------|------|------|------|------|------|------|------|------|
| 4                  | A247<br>A248         | A249                 |      |      |      |      |      |      |      |      |      |
| 5                  |                      |                      |      | A250 |      |      |      |      |      |      |      |
| 6                  | A251<br>A252<br>A281 | A253                 |      |      |      | A254 |      | A255 |      |      |      |
| 8                  | A256<br>A257<br>A282 | A258<br>A259<br>A283 | A260 |      | A261 |      | A262 | A263 | A264 |      |      |
| 10                 |                      | A265<br>A266<br>A284 |      | A267 | A268 |      |      | A269 |      | A270 | A271 |
| 12                 |                      | A272<br>A273         |      |      |      |      |      | A274 |      |      |      |
| 14                 |                      | A275                 |      | A276 |      |      |      |      |      |      |      |
| 15                 |                      |                      |      |      | A277 |      |      | A278 |      |      | A279 |

Note 1)The models marked red are available for Stainless Rolled Ball Screws.  
Note 2)The numbers in a table : showing a page in this catalogue.

●Model number notation

SR    06    01    K    —    200    R    200    C7  
①    ②    ③    ④                      ⑤    ⑥    ⑦    ⑧

- ①Rolled Ball Screws Series No.  
SR : Rolled Ball Screws  
SSR : Stainless Rolled Ball Screws  
②Screw Shaft nominal diameter(mm)  
③Lead(mm)  
④Ball Nut type  
None : Standard  
K : Compact type  
⑤Screw thread length(mm)  
⑥Thread direction(R=Right-hand)  
⑦Screw Shaft total length(mm)  
⑧Accuracy 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 Ct7 and Ct10(JIS B 1192-3). According to accuracy grade, Axial play 0.020mm or less (Ct7) and 0.050mm or less (Ct10) are in stock.

●Material & Surface hardness

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<br>S55C<br>SUJ2 | Carburizing<br>Induction Hardening<br>Quench & Temper | 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

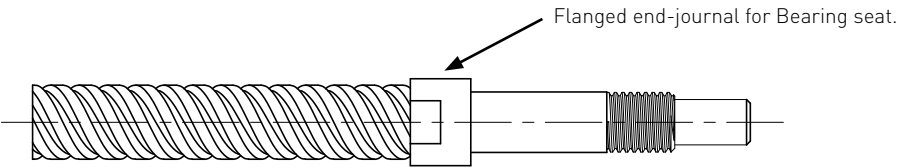
SR series (Standardized Rolled Ball Screws) and SSR series (Standardized Stainless Rolled Ball Screws) without end-journal machining are applied with anti-rust oil for rust prevention.  
Anti-rust oil does not have lubricating function so that please apply the Grease or lubrication oil when using the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

●Precision Rolled Ball Screws

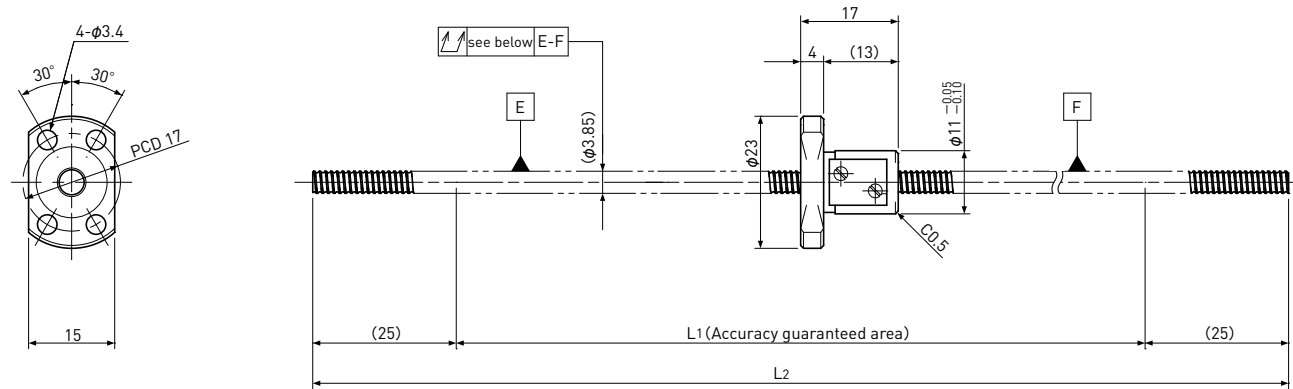
High accuracy(JIS C5) can be produced by Rolled process, what we call Precision Rolled Ball Screws(PSR/PSRT series). Please see page A319.

●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.  
Please refer to page A285 or ask KSS.



Standard products in stock SR series

**SR0401**Shaft dia.  $\phi 4$  Lead 1mm**Ct7&Ct10**

Unit:mm

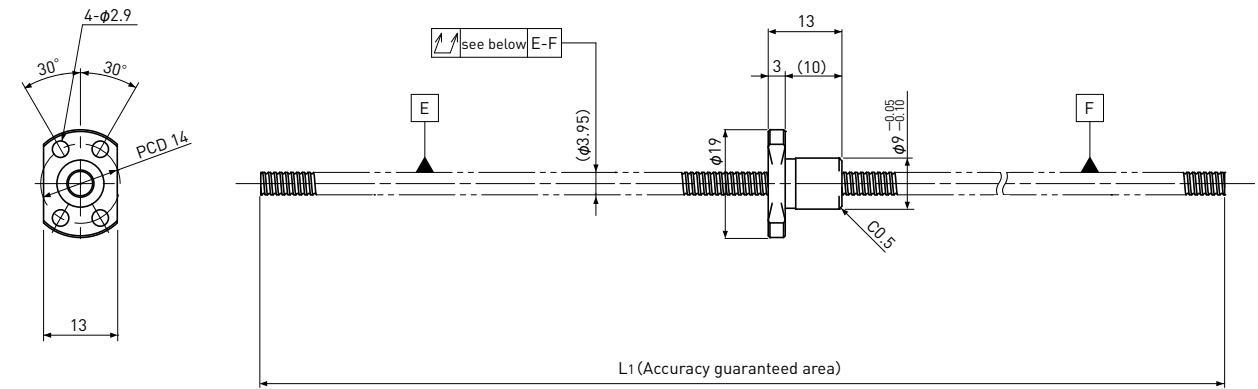
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 0.8$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 3.3$                |
| Number of circuit         | $3.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0401-250R250C7  | 180    | Ct7   | 200            | 250            | $\pm 0.03$             | —                   | 0.200         | $\sim 0.020$ | —                 | 560                 | 790        |
| SR0401-250R250C10 | 180    | Ct10  | 200            | 250            | $\pm 0.14$             | —                   | 0.400         | $\sim 0.050$ |                   |                     |            |

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

Standard products in stock SR series

**SR0401K**Compact Nut  
Shaft dia.  $\phi 4$  Lead 1mm**Ct7&Ct10**

Unit:mm

| Ball Screw Specifications |                         |         |
|---------------------------|-------------------------|---------|
| Ball size                 | $\phi 0.6$              |         |
| Number of thread          | 1                       |         |
| Thread direction          | Right                   |         |
| Shaft root dia.           | $\phi 3.4$              |         |
| Number of circuit         | $1 \times 3$            |         |
| Material                  | Shaft                   | S55C    |
|                           | Nut                     | SCM415H |
| Surface hardness          | HRC58~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0401K-100R100C7  | 80     | Ct7   | 100            | —              | $\pm 0.02$             | —                   | 0.080         | $\sim 0.020$ | —                 | 300                 | 430        |
| SR0401K-100R100C10 | 80     | Ct10  | 100            | —              | $\pm 0.07$             | —                   | 0.160         | $\sim 0.050$ |                   |                     |            |

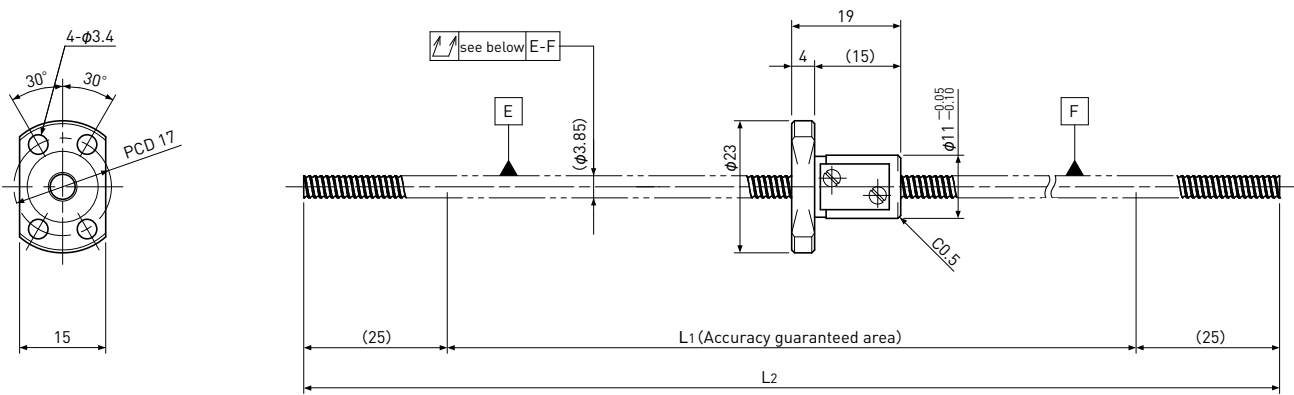
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0402

Shaft dia.  $\phi 4$     Lead 2mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 0.8$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 3.3$                |
| Number of circuit         | 2.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0402-250R250C7  | 180    | Ct7   | 200            | 250            | ±0.03                  | —                   | 0.200         | ~0.020     | —                 | 420                 | 570        |
| SR0402-250R250C10 | 180    | Ct10  | 200            | 250            | ±0.14                  | —                   | 0.400         | ~0.050     |                   |                     |            |

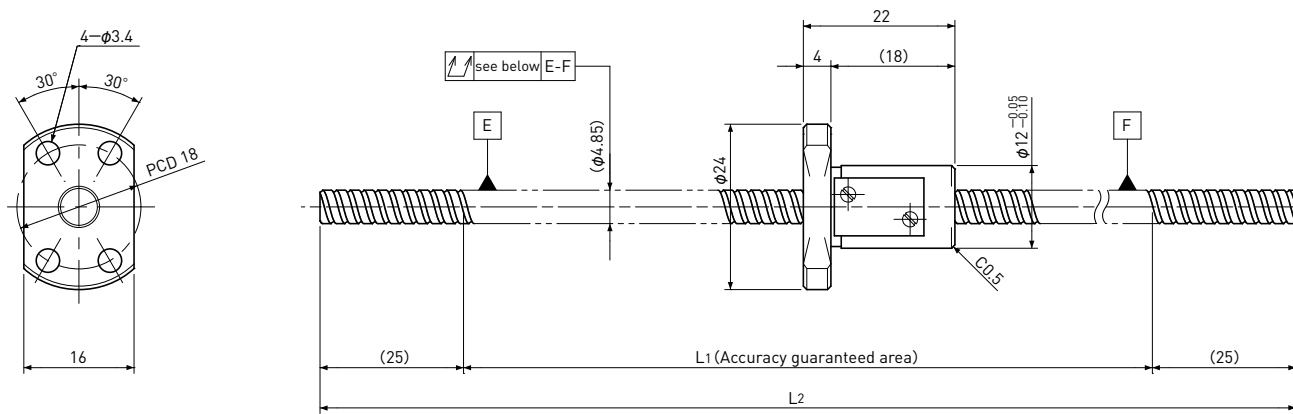
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0504

Shaft dia.  $\phi 5$     Lead 4mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 0.8$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 4.3$                |
| Number of circuit         | 2.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

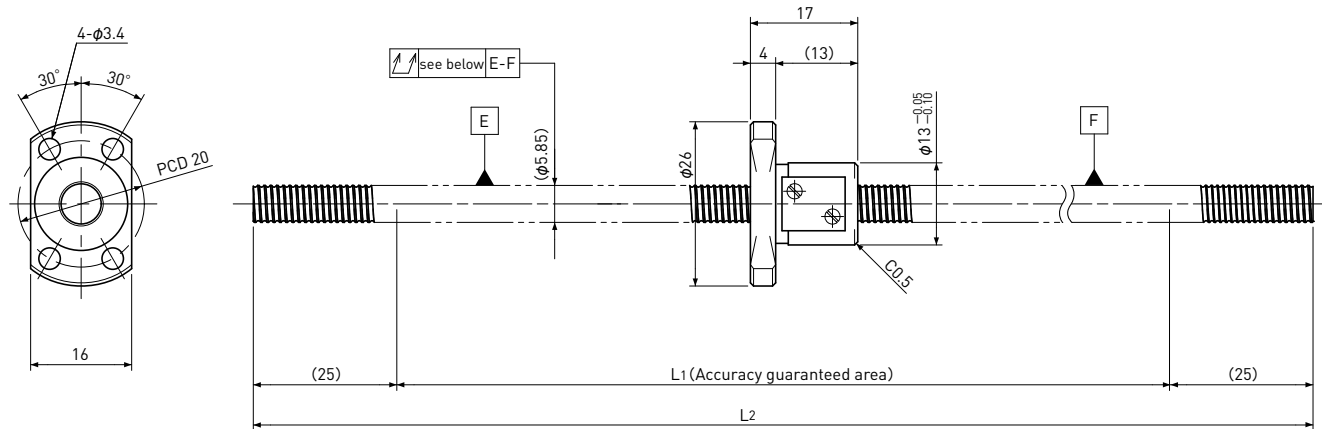
| Ball Screw Model  | Travel | Grade | Shaft length   |                | Lead accuracy          |                     | Total Run-out | Axial play | Preload Torque Nm | Basic Load Rating N |            |
|-------------------|--------|-------|----------------|----------------|------------------------|---------------------|---------------|------------|-------------------|---------------------|------------|
|                   |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0504-250R250C7  | 175    | Ct7   | 200            | 250            | ±0.03                  | —                   | 0.120         | ~0.020     | —                 | 470                 | 720        |
| SR0504-250R250C10 | 175    | Ct10  | 200            | 250            | ±0.14                  | —                   | 0.240         | ~0.050     |                   |                     |            |

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

## Standard products in stock SR series

**SR0601**Shaft dia.  $\phi 6$  Lead 1mm**Ct7&Ct10**

\* Please refer to page A281 for stainless steel type.



Unit:mm

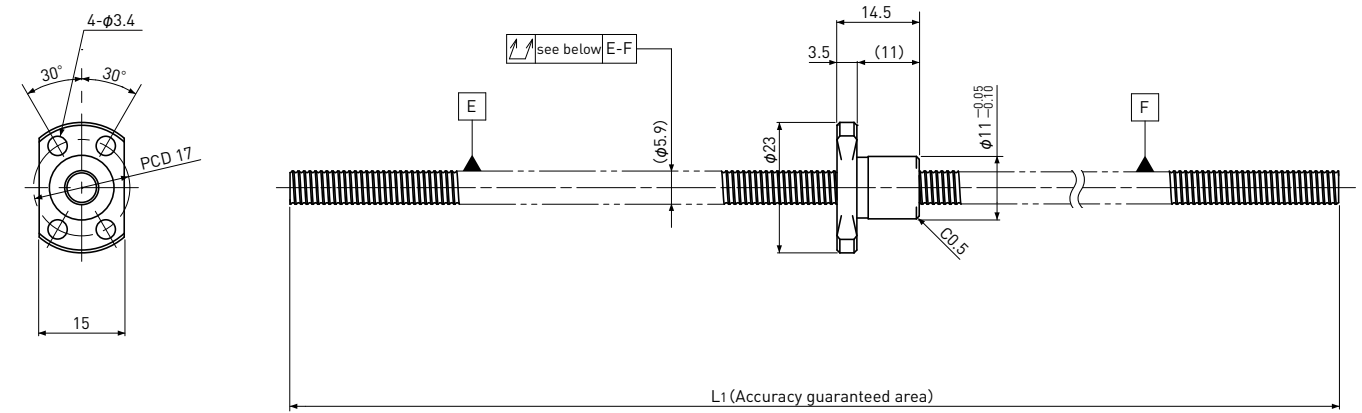
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 0.8$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 5.3$                |
| Number of circuit         | 3.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0601-300R300C7  | 230    | Ct7   | 250            | 300            | ±0.04                  | —                   | 0.120         | ~0.020     | —                 | 680                 | 1200       |
| SR0601-300R300C10 | 230    | Ct10  | 250            | 300            | ±0.17                  | —                   | 0.240         | ~0.050     |                   |                     |            |

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

## Standard products in stock SR series

**SR0601K**Compact Nut  
Shaft dia.  $\phi 6$  Lead 1mm**Ct7&Ct10**

Unit:mm

| Ball Screw Specifications |                         |         |
|---------------------------|-------------------------|---------|
| Ball size                 | $\phi 0.8$              |         |
| Number of thread          | 1                       |         |
| Thread direction          | Right                   |         |
| Shaft root dia.           | $\phi 5.3$              |         |
| Number of circuit         | 1×3                     |         |
| material                  | Shaft                   | S55C    |
|                           | Nut                     | SCM415H |
| Surface hardness          | HRC58~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0601K-200R200C7  | 175    | Ct7   | 200            | —              | ±0.03                  | —                   | 0.080         | ~0.020     | —                 | 560                 | 950        |
| SR0601K-200R200C10 | 175    | Ct10  | 200            | —              | ±0.14                  | —                   | 0.160         | ~0.050     |                   |                     |            |

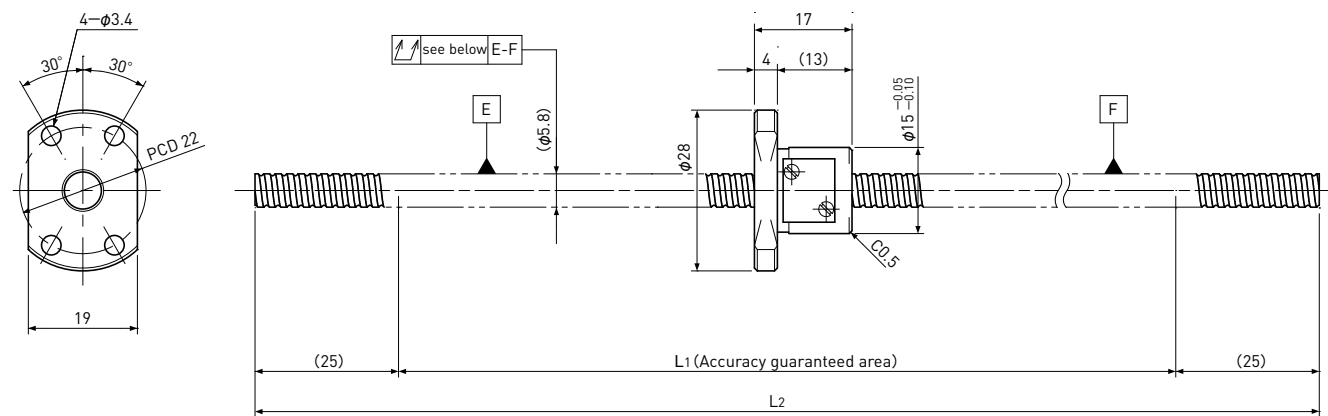
Note) Please designate end-journal profile with your sketch.

## Standard products in stock SR series

SR0602

Shaft dia.  $\phi 6$  Lead 2mm

Ct7&amp;Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.0$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 5.1$                |
| Number of circuit         | $2.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0602-300R300C7  | 230    | Ct7   | 250            | 300            | $\pm 0.04$             | —                   | 0.120         | $\sim 0.020$ | —                 | 750                 | 1200       |
| SR0602-300R300C10 | 230    | Ct10  | 250            | 300            | $\pm 0.17$             | —                   | 0.240         | $\sim 0.050$ |                   |                     |            |

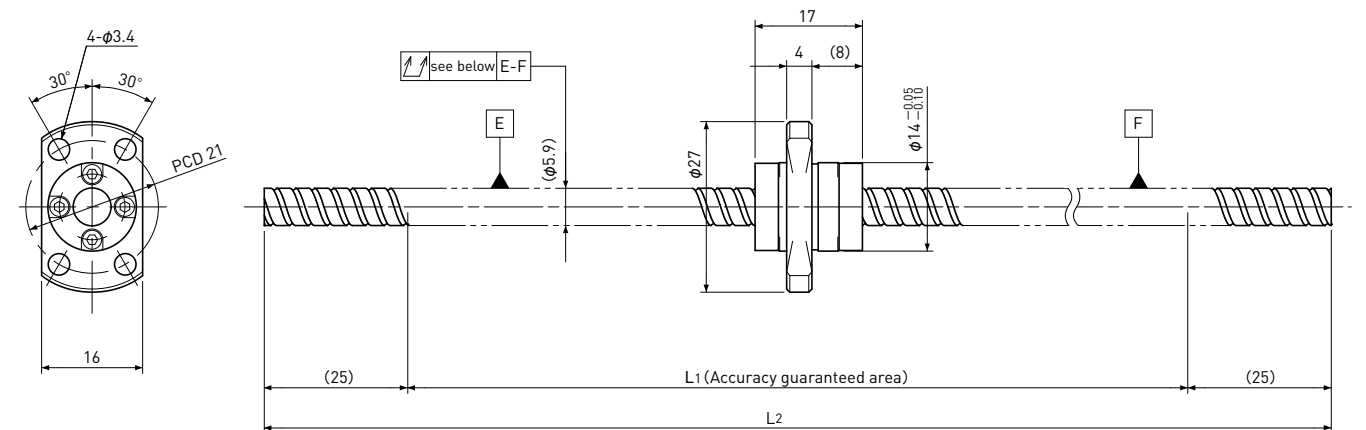
Note) Please designate end-journal profile with your sketch.

## Standard products in stock SR series

SR0606

Shaft dia.  $\phi 6$  Lead 6mm

Ct7&amp;Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.0$                |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 5.2$                |
| Number of circuit         | $1.6 \times 2$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0606-300R300C7  | 230    | Ct7   | 250            | 300            | $\pm 0.04$             | —                   | 0.120         | $\sim 0.020$ | —                 | 870                 | 1450       |
| SR0606-300R300C10 | 230    | Ct10  | 250            | 300            | $\pm 0.17$             | —                   | 0.240         | $\sim 0.050$ |                   |                     |            |

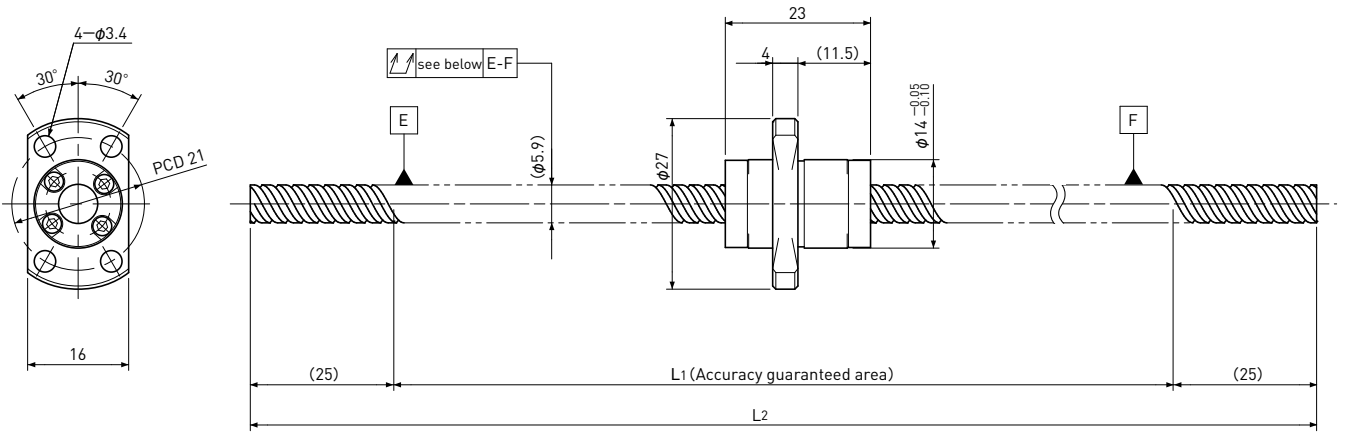
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0610

Shaft dia.  $\phi 6$  Lead 10mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.2$                |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 5.0$                |
| Number of circuit         | 1.2×2                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0610-300R300C7  | 225    | Ct7   | 250            | 300            | $\pm 0.04$             | —                   | 0.120         | ~0.020     | —                 | 950                 | 1600       |
| SR0610-300R300C10 | 225    | Ct10  | 250            | 300            | $\pm 0.17$             | —                   | 0.240         | ~0.050     |                   |                     |            |

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

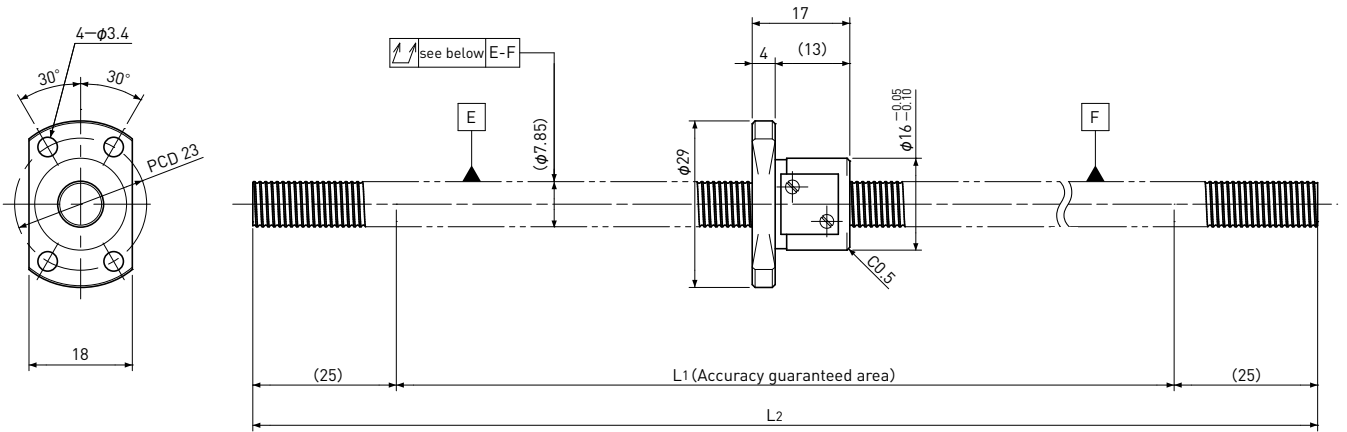
Standard products in stock SR series

SR0801

Shaft dia.  $\phi 8$  Lead 1mm

Ct7&Ct10

\* Please refer to page A282 for stainless steel type.



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 0.8$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 7.3$                |
| Number of circuit         | 3.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

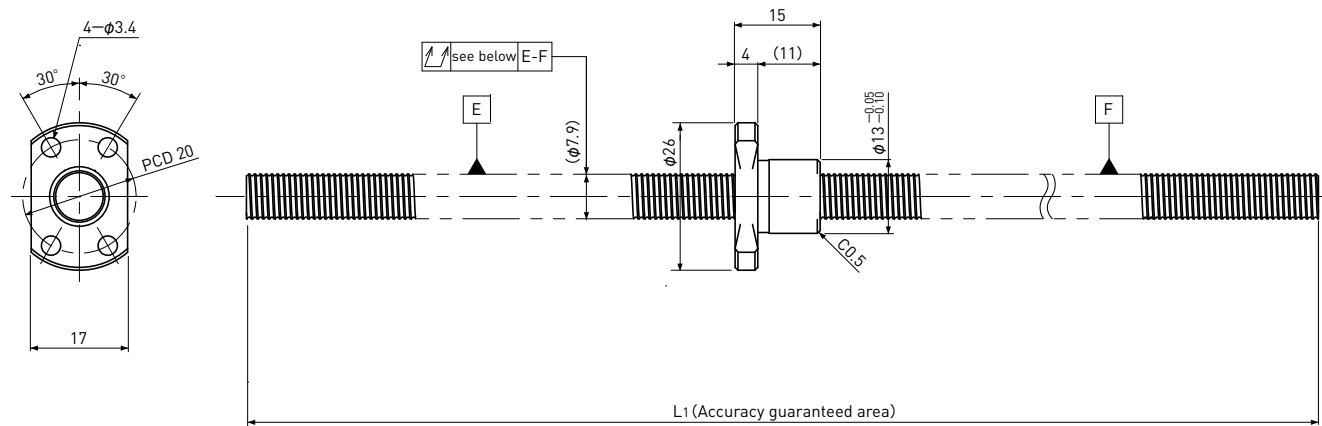
| Ball Screw Model  | Travel | Grade | Shaft length   |                | Lead accuracy          |                     | Total Run-out | Axial play | Preload Torque Nm | Basic Load Rating N |            |
|-------------------|--------|-------|----------------|----------------|------------------------|---------------------|---------------|------------|-------------------|---------------------|------------|
|                   |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |            |                   | Dynamic Ca          | Static Coa |
| SR0801-400R400C7  | 330    | Ct7   | 350            | 400            | $\pm 0.06$             | 0.05                | 0.120         | ~0.020     | —                 | 780                 | 1650       |
| SR0801-400R400C10 | 330    | Ct10  | 350            | 400            | $\pm 0.24$             | 0.21                | 0.240         | ~0.050     |                   |                     |            |

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

## Standard products in stock SR series

**SR0801K**

Compact Nut

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

Unit:mm

| Ball Screw Specifications |                         |         |
|---------------------------|-------------------------|---------|
| Ball size                 | $\phi 0.8$              |         |
| Number of thread          | 1                       |         |
| Thread direction          | Right                   |         |
| Shaft root dia.           | $\phi 7.3$              |         |
| Number of circuit         | 1×3                     |         |
| material                  | Shaft                   | S55C    |
|                           | Nut                     | SCM415H |
| Surface hardness          | HRC58~<br>(Thread area) |         |
| Anti-rust treatment       | Anti-rust oil           |         |

Unit:mm

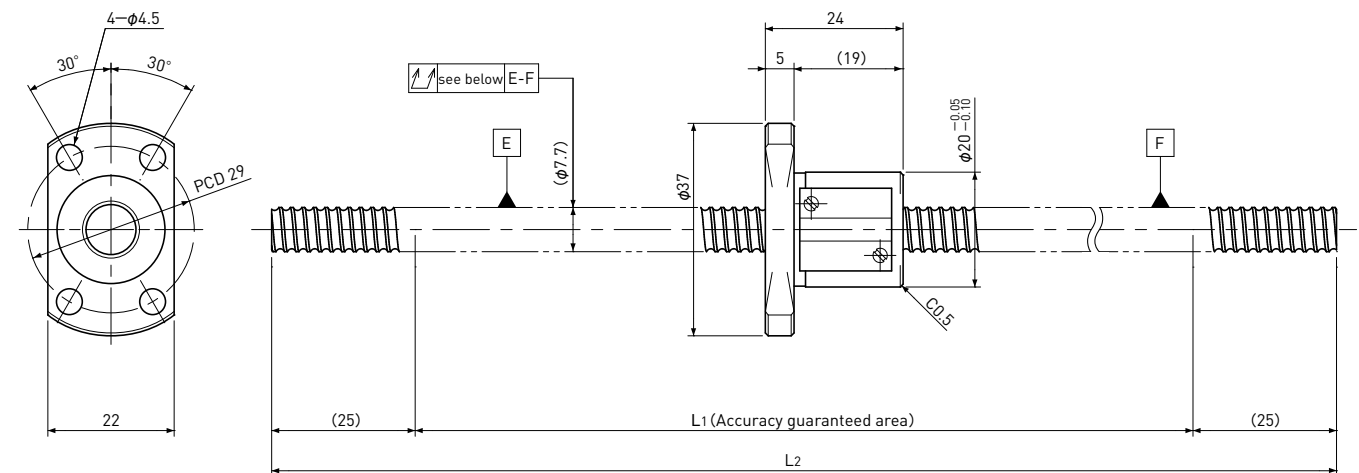
| Ball Screw Model   | Travel | Grade | Shaft length   |                | Lead accuracy          |                     | Total Run-out | Axial play   | Preload Torque Nm | Basic Load Rating N |            |
|--------------------|--------|-------|----------------|----------------|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                    |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0801K-230R230C7  | 200    | Ct7   | 230            | —              | $\pm 0.03$             | —                   | 0.080         | $\sim 0.020$ | —                 | 650                 | 1300       |
| SR0801K-230R230C10 | 200    | Ct10  | 230            | —              | $\pm 0.16$             | —                   | 0.160         | $\sim 0.050$ |                   |                     |            |

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

## Standard products in stock SR series

**SR0802**Shaft dia.  $\phi 8$  Lead 2mm**Ct7&Ct10**

\* Please refer to page A283 for stainless steel type.



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 6.6$                |
| Number of circuit         | 3.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0802-400R400C7  | 325    | Ct7   | 350            | 400            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 2400                | 4100       |
| SR0802-400R400C10 | 325    | Ct10  | 350            | 400            | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

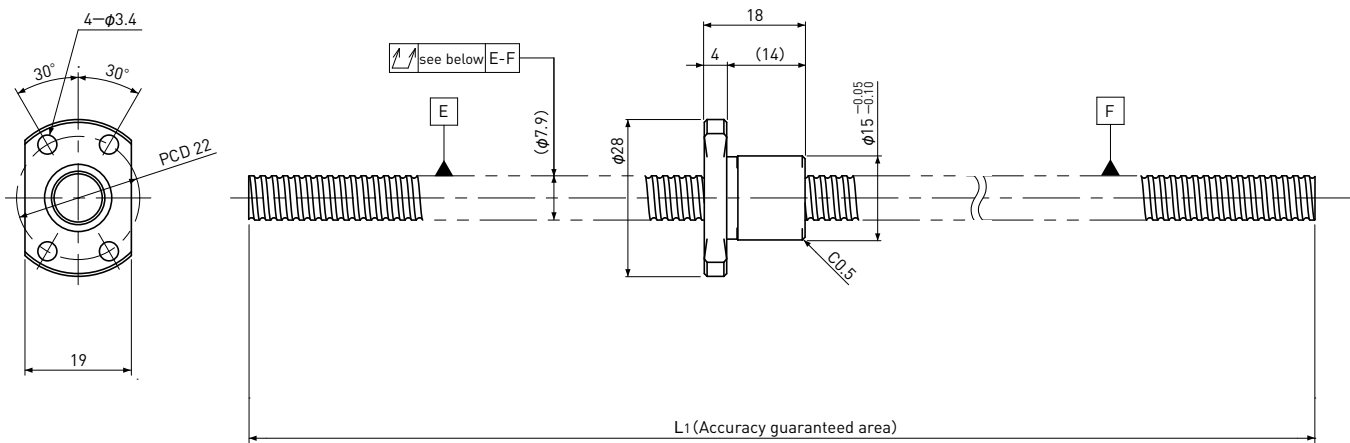
Standard products in stock SR series

SR0802K

Compact Nut

Shaft dia.  $\phi 8$  Lead 2mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                     |         |
|---------------------------|---------------------|---------|
| Ball size                 | $\phi 1.2$          |         |
| Number of thread          | 1                   |         |
| Thread direction          | Right               |         |
| Shaft root dia.           | $\phi 7.0$          |         |
| Number of circuit         | 1×3                 |         |
| Material                  | Shaft               | S55C    |
|                           | Nut                 | SCM415H |
| Surface hardness          | HRC58~(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation e <sub>p</sub> | Variation V <sub>300</sub> |               |            |                   | Dynamic Ca          | Static Coa |
| SR0802K-230R230C7  | 200    | Ct7   | 230            | —              | ±0.03                           | —                          | 0.080         | ~0.020     | —                 | 1300                | 2300       |
| SR0802K-230R230C10 | 200    | Ct10  | 230            | —              | ±0.16                           | —                          | 0.160         | ~0.050     |                   |                     |            |

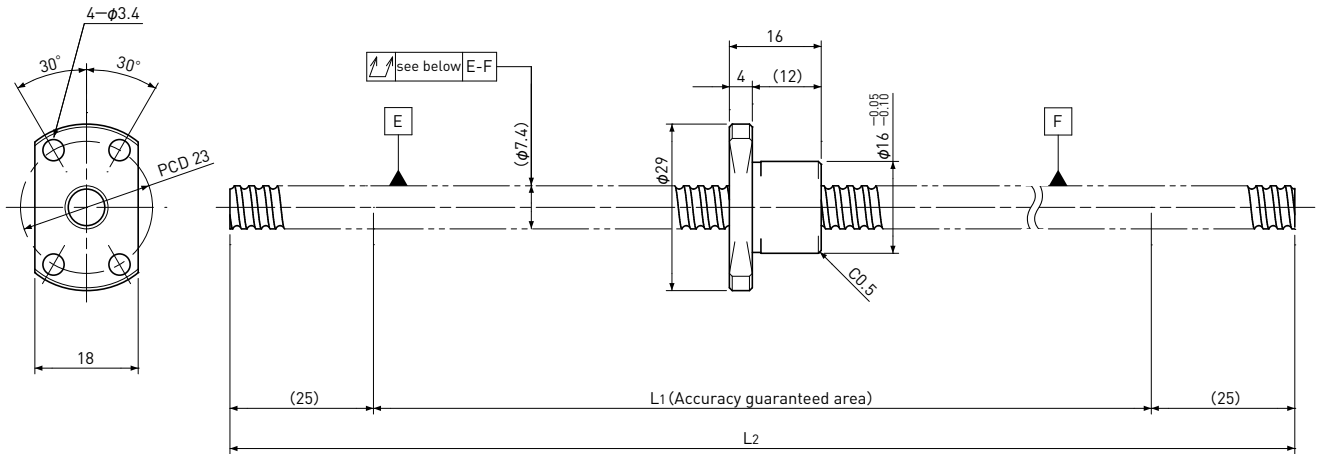
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0802.5

Shaft dia.  $\phi 8$  Lead 2.5mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                        |
|---------------------------|------------------------|
| Ball size                 | $\phi 1.5875$          |
| Number of thread          | 1                      |
| Thread direction          | Right                  |
| Shaft root dia.           | $\phi 6.3$             |
| Number of circuit         | 2.7×1                  |
| Shaft, Nut material       | SCM415H                |
| Surface hardness          | HRC58~62 (Thread area) |
| Anti-rust treatment       | Anti-rust oil          |

Unit:mm

| Ball Screw Model    | Travel | Grade | Shaft length   |                | Lead accuracy                   |                            | Total Run-out | Axial play | Preload Torque Nm | Basic Load Rating N |            |
|---------------------|--------|-------|----------------|----------------|---------------------------------|----------------------------|---------------|------------|-------------------|---------------------|------------|
|                     |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation e <sub>p</sub> | Variation V <sub>300</sub> |               |            |                   | Dynamic Ca          | Static Coa |
| SR0802.5-400R400C7  | 330    | Ct7   | 350            | 400            | ±0.06                           | 0.05                       | 0.120         | ~0.020     | —                 | 1850                | 3000       |
| SR0802.5-400R400C10 | 330    | Ct10  | 350            | 400            | ±0.24                           | 0.21                       | 0.240         | ~0.050     |                   |                     |            |

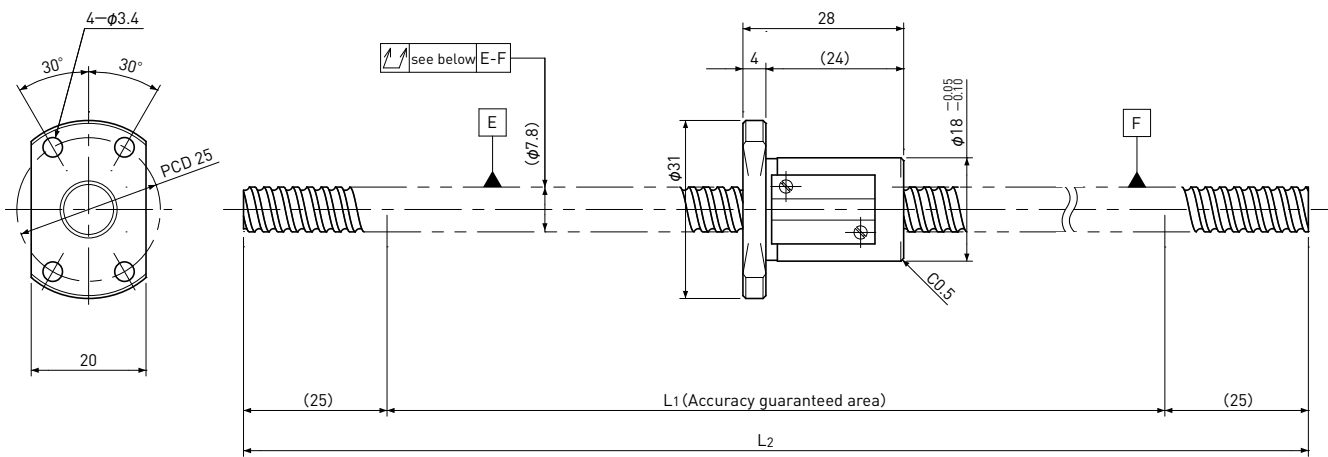
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0805

Shaft dia.  $\phi 8$     Lead 5mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 6.6$                |
| Number of circuit         | $2.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 |            |
|-------------------|--------|-------|--------------|-----|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                   |        |       | L1           | L2  | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0805-400R400C7  | 320    | Ct7   | 350          | 400 | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 1850                | 3000       |
| SR0805-400R400C10 | 320    | Ct10  | 350          | 400 | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

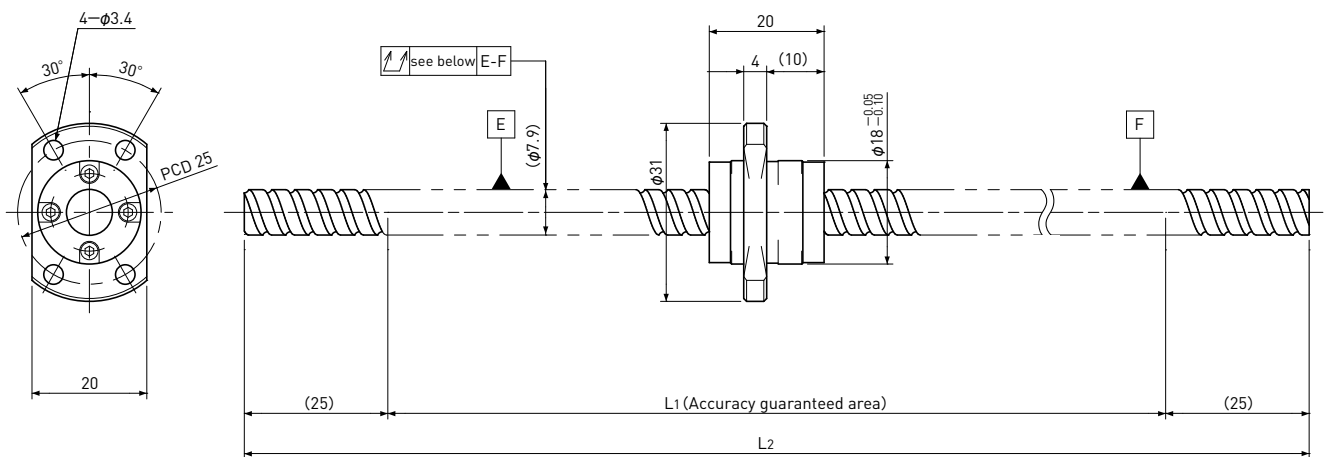
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0808

Shaft dia.  $\phi 8$     Lead 8mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 6.7$                |
| Number of circuit         | $1.6 \times 2$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 |            |
|-------------------|--------|-------|--------------|-----|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                   |        |       | L1           | L2  | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0808-400R400C7  | 330    | Ct7   | 350          | 400 | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 2200                | 3800       |
| SR0808-400R400C10 | 330    | Ct10  | 350          | 400 | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

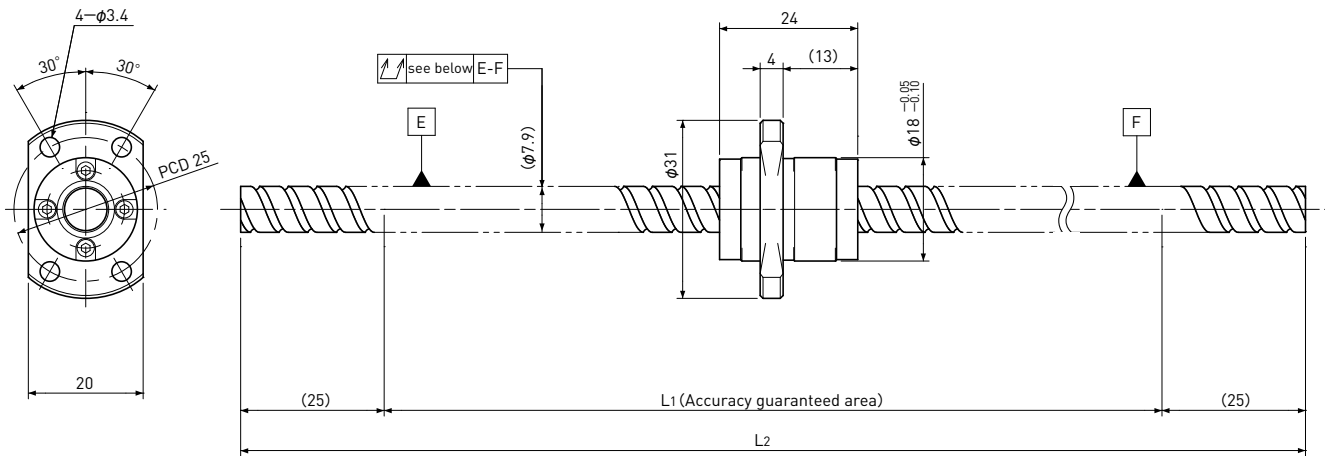
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0810

Shaft dia.  $\phi 8$     Lead 10mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 6.7$                |
| Number of circuit         | 1.6×2                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 |            |
|-------------------|--------|-------|--------------|-----|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                   |        |       | L1           | L2  | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0810-400R400C7  | 325    | Ct7   | 350          | 400 | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 2200                | 3800       |
| SR0810-400R400C10 | 325    | Ct10  | 350          | 400 | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

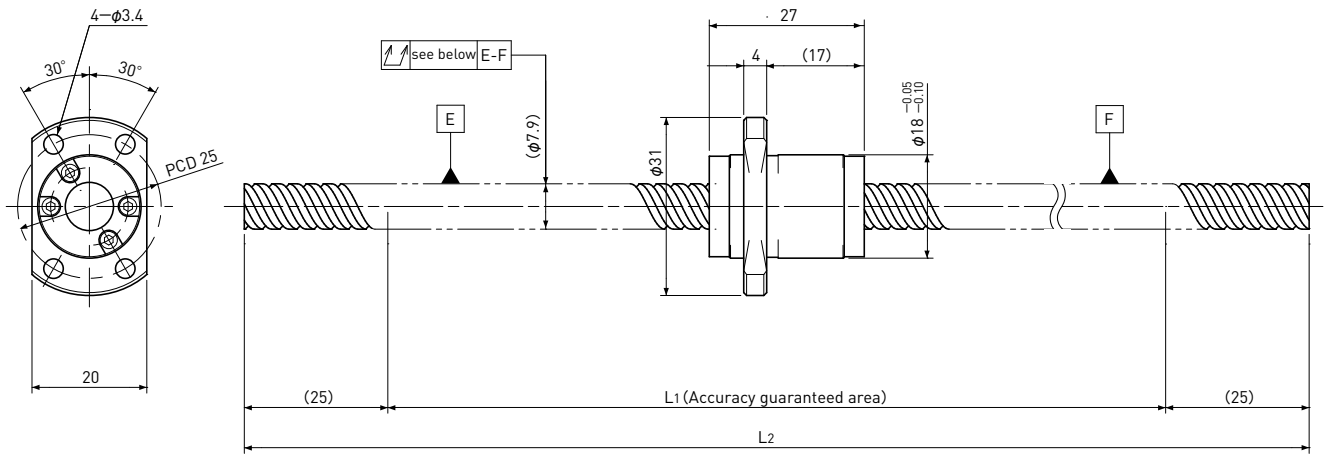
Note)Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR0812

Shaft dia.  $\phi 8$     Lead 12mm

Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 6.7$                |
| Number of circuit         | 1.6×2                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

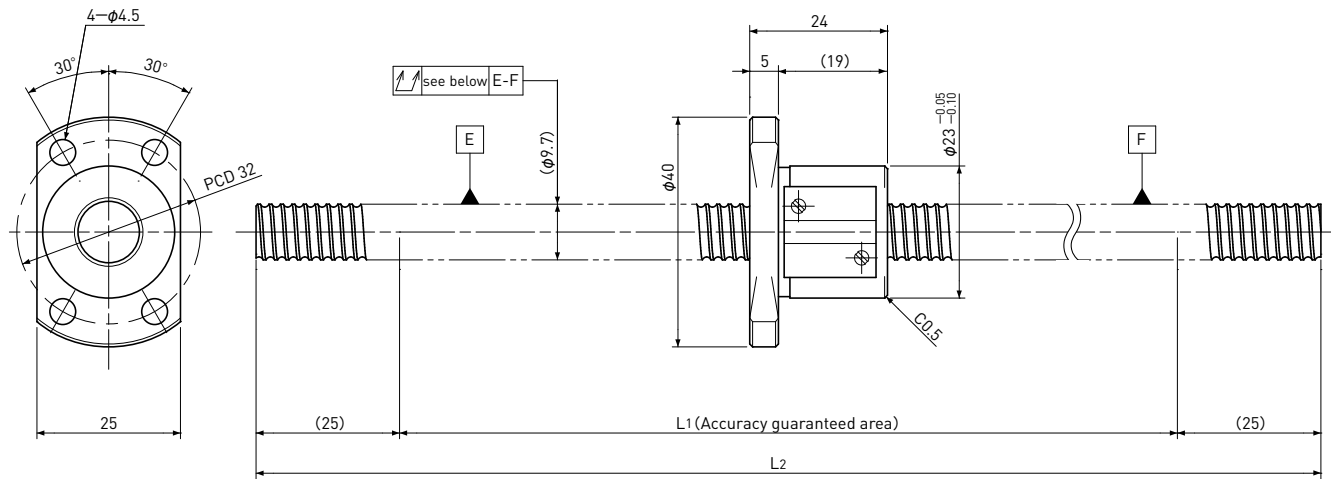
| Ball Screw Model  | Travel | Grade | Shaft length |     | Lead accuracy          |                     | Total Run-out | Axial play   | Preload Torque Nm | Basic Load Rating N |            |
|-------------------|--------|-------|--------------|-----|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                   |        |       | L1           | L2  | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR0812-400R400C7  | 320    | Ct7   | 350          | 400 | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 2200                | 4000       |
| SR0812-400R400C10 | 320    | Ct10  | 350          | 400 | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

## Standard products in stock SR series

**SR1002**Shaft dia.  $\phi 10$  Lead 2mm**Ct7&Ct10**

\* Please refer to page A284 for stainless steel type.



Unit: mm

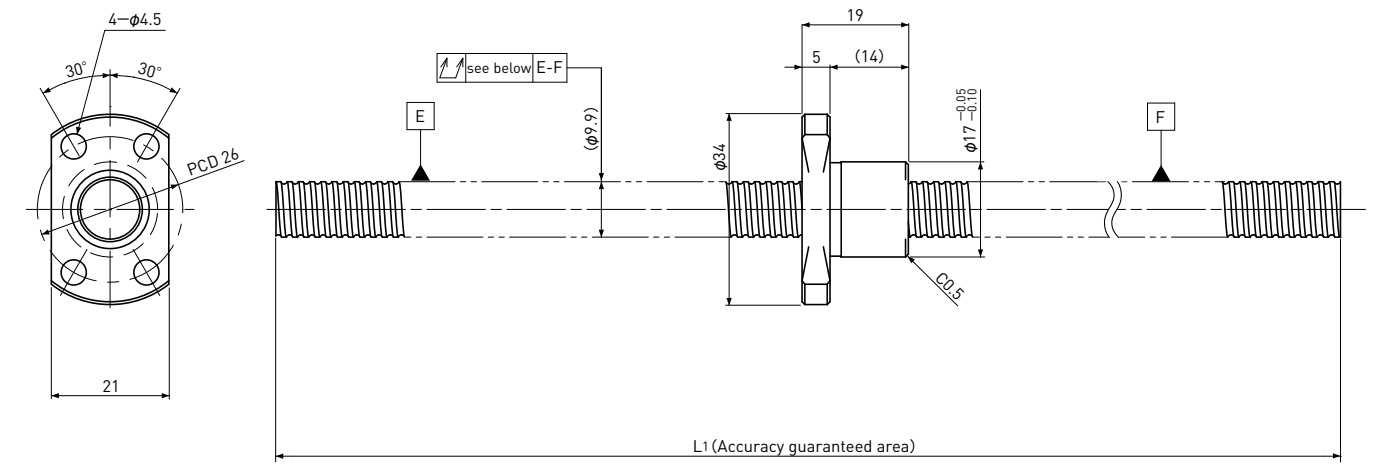
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.6$                |
| Number of circuit         | $3.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1002-400R400C7  | 325    | Ct7   | 350            | 400            | $\pm 0.05$             | 0.05                | 0.080         | $\sim 0.020$ | —                 | 2700                | 5300       |
| SR1002-400R400C10 | 325    | Ct10  | 350            | 400            | $\pm 0.24$             | 0.21                | 0.160         | $\sim 0.050$ |                   |                     |            |

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

## Standard products in stock SR series

**SR1002K**Compact Nut  
Shaft dia.  $\phi 10$  Lead 2mm**Ct7&Ct10**

Unit: mm

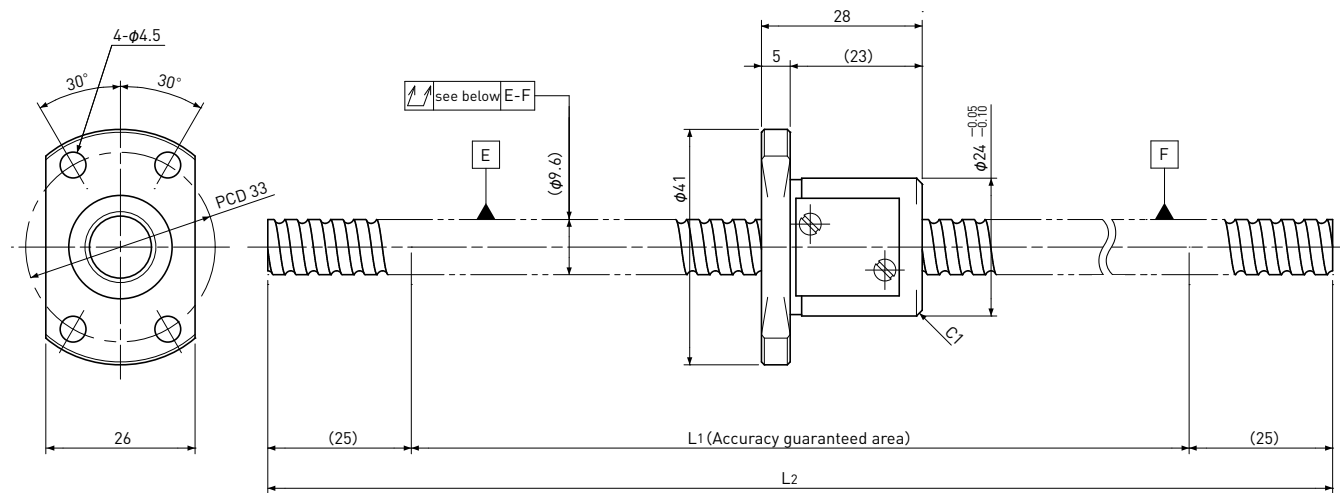
| Ball Screw Specifications |                         |         |
|---------------------------|-------------------------|---------|
| Ball size                 | $\phi 1.2$              |         |
| Number of thread          | 1                       |         |
| Thread direction          | Right                   |         |
| Shaft root dia.           | $\phi 9.0$              |         |
| Number of circuit         | $1 \times 3$            |         |
| Material                  | Shaft                   | S55C    |
|                           | Nut                     | SCM415H |
| Surface hardness          | HRC58~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1002K-230R230C7  | 200    | Ct7   | 230            | —              | $\pm 0.03$             | —                   | 0.080         | $\sim 0.020$ | —                 | 1450                | 3000       |
| SR1002K-230R230C10 | 200    | Ct10  | 230            | —              | $\pm 0.16$             | —                   | 0.160         | $\sim 0.050$ |                   |                     |            |

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

## Standard products in stock SR series

**SR1004**Shaft dia.  $\phi 10$  Lead 4mm**Ct7&Ct10**

Unit:mm

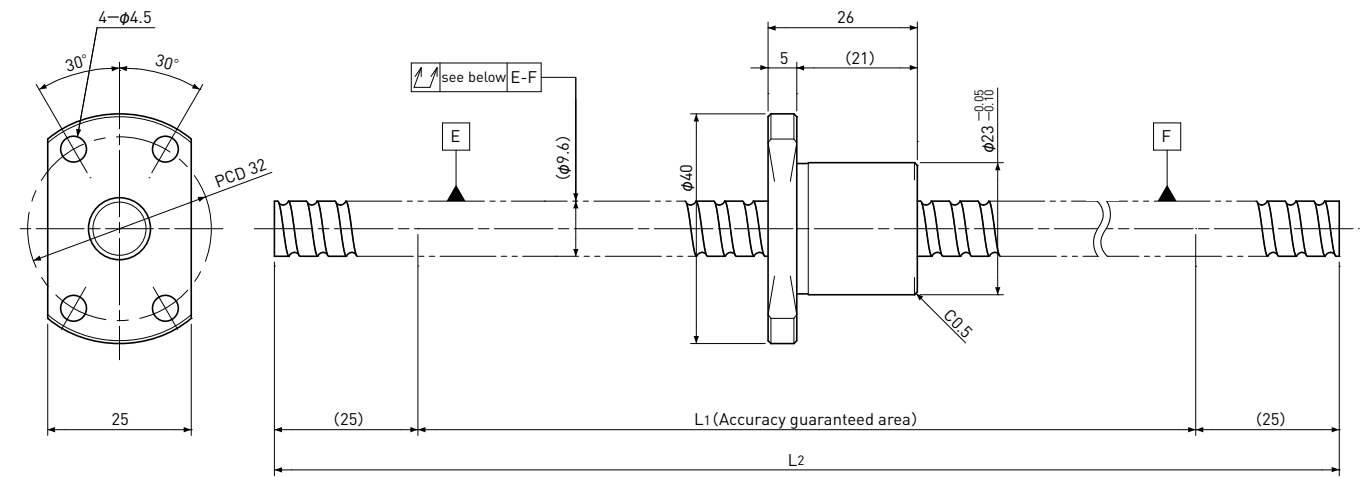
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 2.0$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.2$                |
| Number of circuit         | $2.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1004-450R450C7  | 370    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 3000                | 5200       |
| SR1004-450R450C10 | 370    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

## Standard products in stock SR series

**SR1005**Shaft dia.  $\phi 10$  Lead 5mm**Ct7&Ct10**

Unit:mm

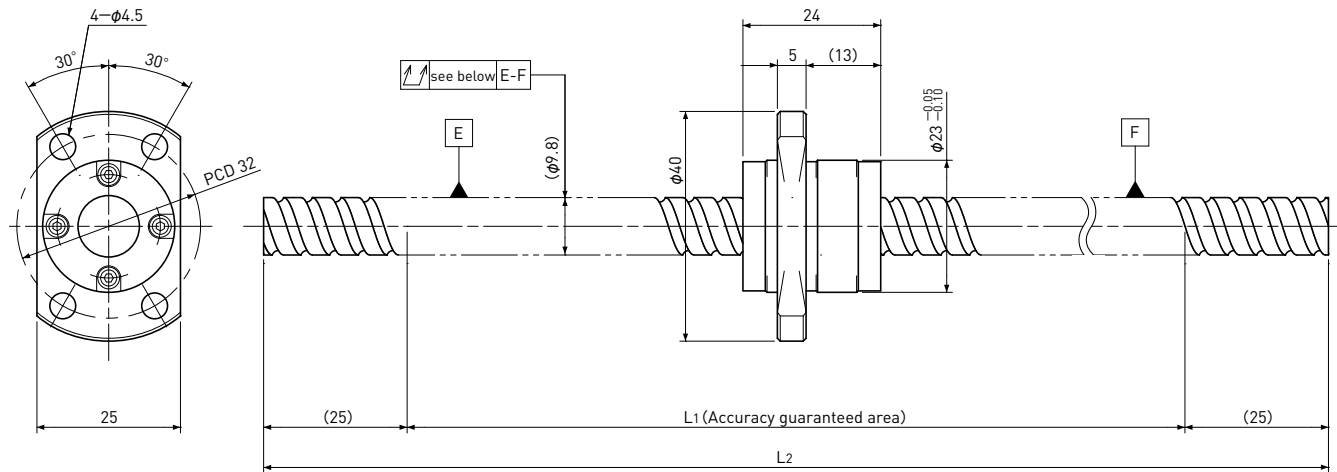
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 2.0$                |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.2$                |
| Number of circuit         | $2.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1005-450R450C7  | 370    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 3000                | 5200       |
| SR1005-450R450C10 | 370    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

Standard products in stock SR series

**SR1010**Shaft dia.  $\phi 10$  Lead 10mm**Ct7&Ct10**

Unit:mm

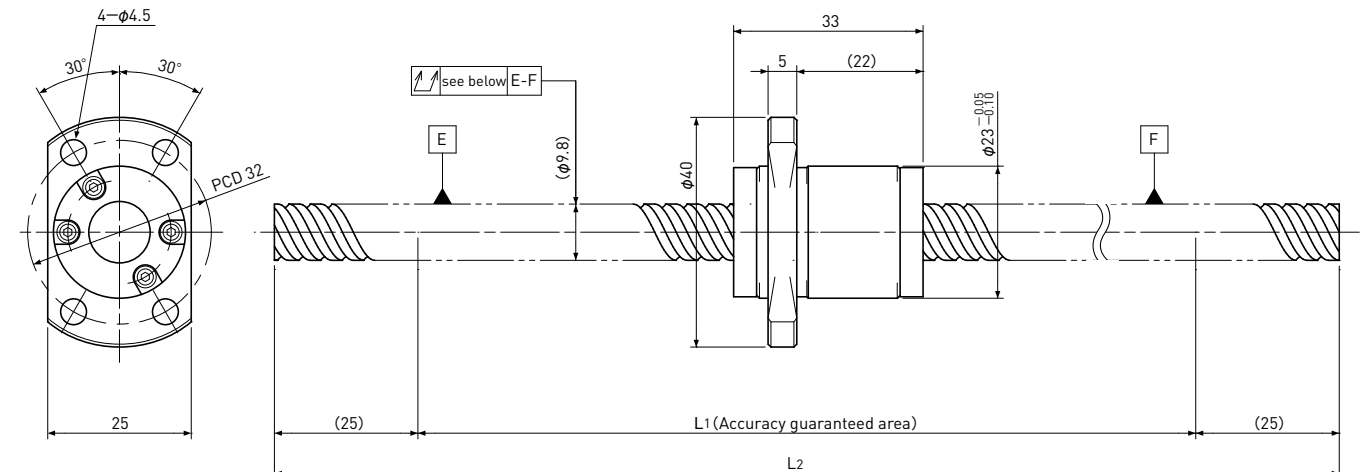
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 2.0$                |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.4$                |
| Number of circuit         | $1.6 \times 2$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1010-450R450C7  | 375    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 3300                | 5900       |
| SR1010-450R450C10 | 375    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

Standard products in stock SR series

**SR1015**Shaft dia.  $\phi 10$  Lead 15mm**Ct7&Ct10**

Unit:mm

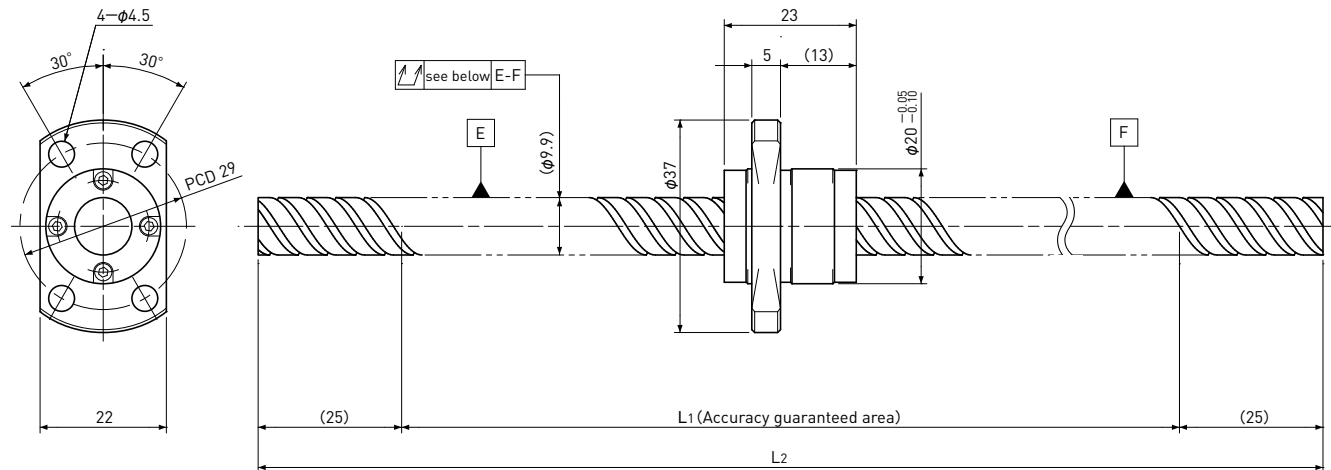
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 2.0$                |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.4$                |
| Number of circuit         | $1.6 \times 2$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1015-450R450C7  | 365    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 3300                | 6400       |
| SR1015-450R450C10 | 365    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

Standard products in stock SR series

**SR1020**Shaft dia.  $\phi 10$  Lead 20mm**Ct7&Ct10**

Unit:mm

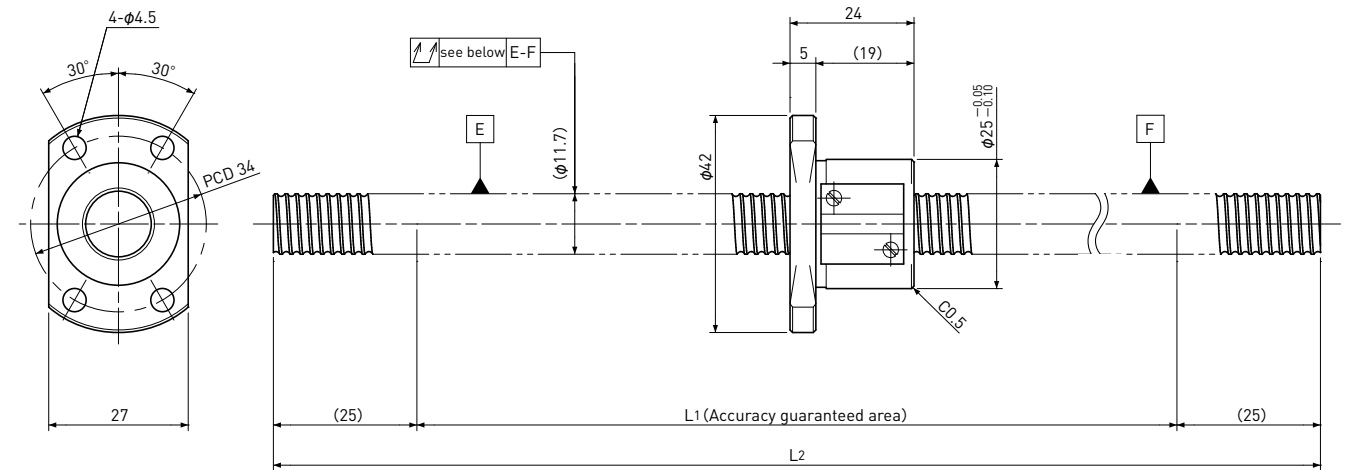
| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 4                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 8.7$                |
| Number of circuit         | $0.7 \times 4$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1020-450R450C7  | 375    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 2100                | 4000       |
| SR1020-450R450C10 | 375    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

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

Standard products in stock SR series

**SR1202**Shaft dia.  $\phi 12$  Lead 2mm**Ct7&Ct10**

Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 1.5875$             |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 10.6$               |
| Number of circuit         | $3.7 \times 1$            |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1202-450R450C7  | 375    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.080         | $\sim 0.020$ | —                 | 3000                | 6400       |
| SR1202-450R450C10 | 375    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.160         | $\sim 0.050$ |                   |                     |            |

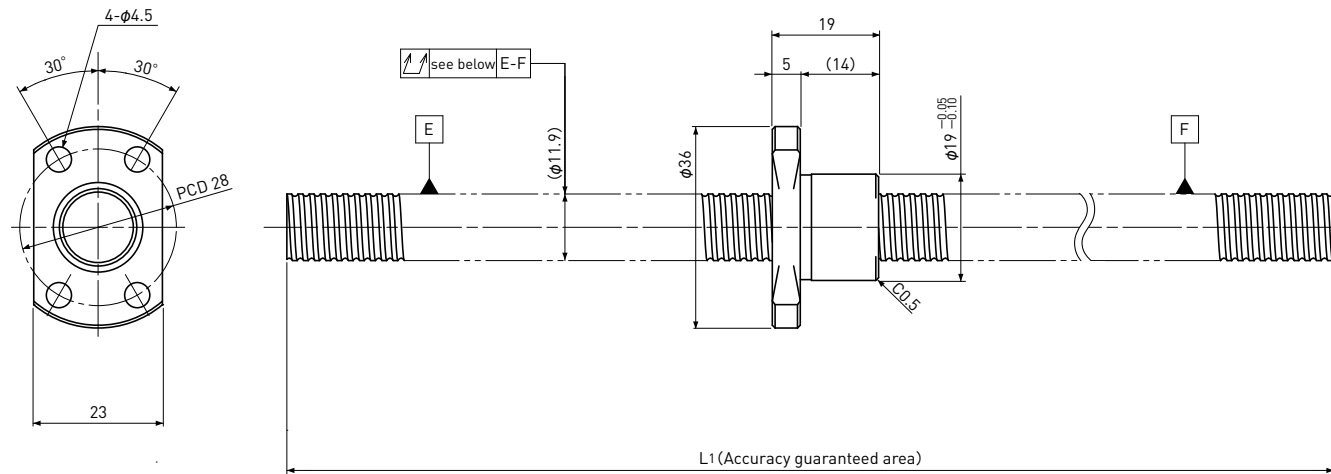
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

# SR1202K

Compact Nut  
Shaft dia.  $\phi 12$  Lead 2mm

Ct7&amp;Ct10



Unit:mm

| Ball Screw Specifications |                         |         |
|---------------------------|-------------------------|---------|
| Ball size                 | $\phi 1.2$              |         |
| Number of thread          | 1                       |         |
| Thread direction          | Right                   |         |
| Shaft root dia.           | $\phi 11.0$             |         |
| Number of circuit         | 1×3                     |         |
| material                  | Shaft                   | S55C    |
|                           | Nut                     | SCM415H |
| Surface hardness          | HRC58~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1202K-280R280C7  | 250    | Ct7   | 280            | —              | $\pm 0.04$             | —                   | 0.080         | $\sim 0.020$ | —                 | 1600                | 3700       |
| SR1202K-280R280C10 | 250    | Ct10  | 280            | —              | $\pm 0.19$             | —                   | 0.160         | $\sim 0.050$ |                   |                     |            |

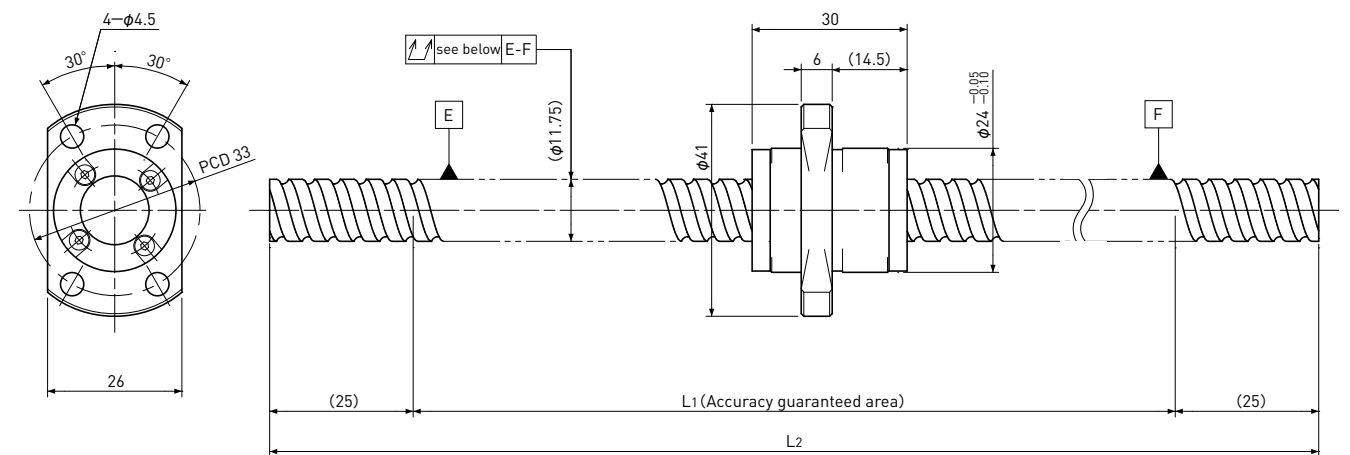
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

# SR1210

Shaft dia.  $\phi 12$  Lead 10mm

Ct7&amp;Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | $\phi 2.381$              |
| Number of thread          | 2                         |
| Thread direction          | Right                     |
| Shaft root dia.           | $\phi 10.2$               |
| Number of circuit         | 1.7×2                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

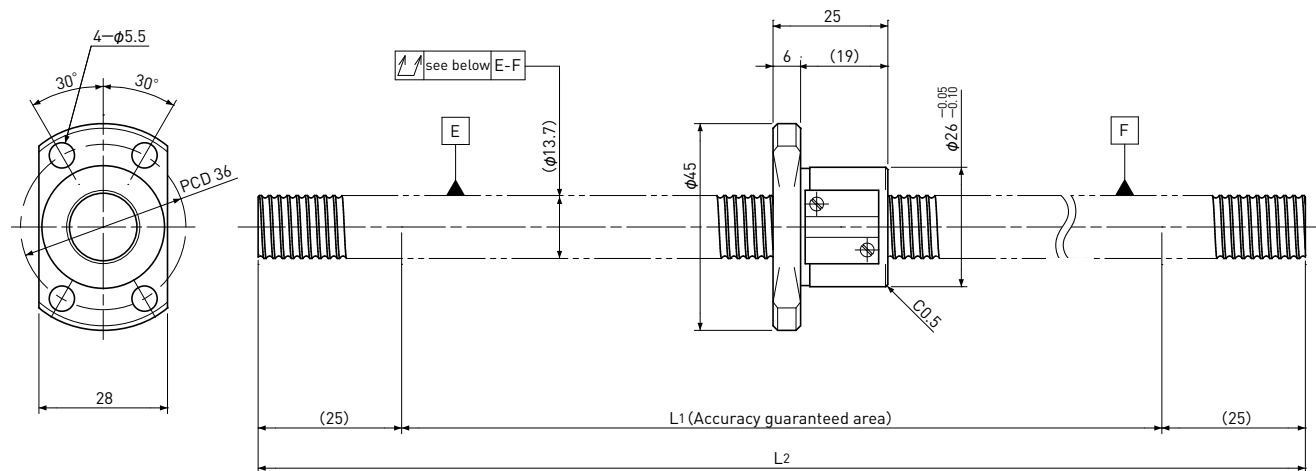
| Ball Screw Model  | Travel | Grade | Shaft length   |                | Lead accuracy          |                     | Total Run-out | Axial play   | Preload Torque Nm | Basic Load Rating N |            |
|-------------------|--------|-------|----------------|----------------|------------------------|---------------------|---------------|--------------|-------------------|---------------------|------------|
|                   |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1210-450R450C7  | 370    | Ct7   | 400            | 450            | $\pm 0.06$             | 0.05                | 0.080         | $\sim 0.020$ | —                 | 5100                | 9800       |
| SR1210-450R450C10 | 370    | Ct10  | 400            | 450            | $\pm 0.28$             | 0.21                | 0.160         | $\sim 0.050$ |                   |                     |            |

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

# SR1402

Shaft dia.  $\phi 14$  Lead 2mm

## Ct7&Ct10



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | φ 1.5875                  |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | φ 12.6                    |
| Number of circuit         | 3.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

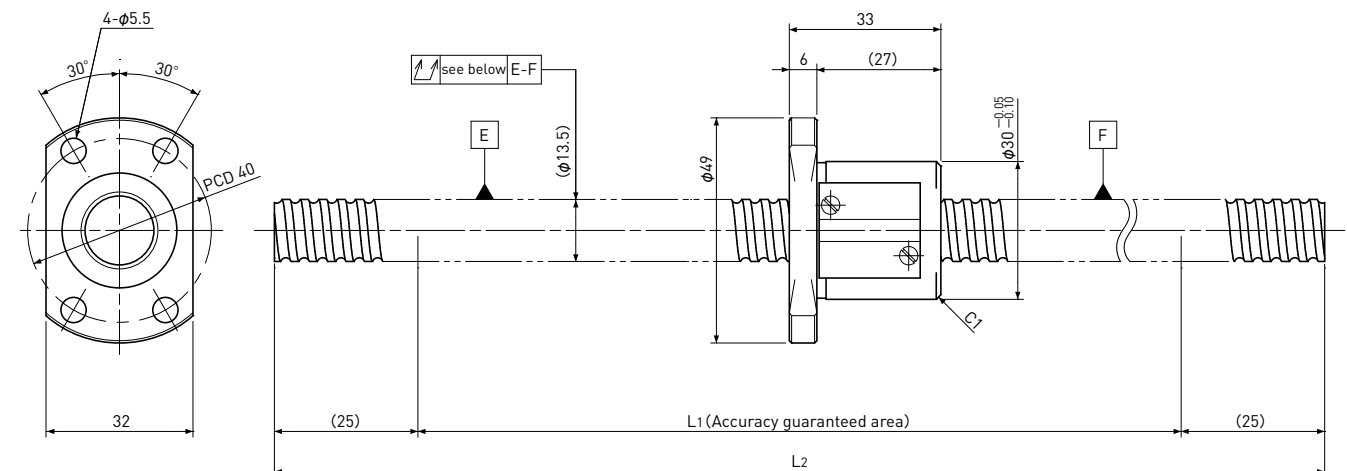
| Ball Screw Model  | Travel | Grade | Shaft length   |                | Lead accuracy                      |                               | Total Run-out<br> | Axial play | Preload Torque<br>Nm | Basic Load Rating<br>N    |                           |
|-------------------|--------|-------|----------------|----------------|------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------------|---------------------------|
|                   |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation<br>e <sub>p</sub> | Variation<br>V <sub>300</sub> |                                                                                                        |            |                      | Dynamic<br>C <sub>a</sub> | Static<br>C <sub>0a</sub> |
| SR1402-500R500C7  | 425    | Ct7   | 450            | 500            | ±0.07                              | 0.05                          | 0.080                                                                                                  | ~0.020     | —                    | 3200                      | 7500                      |
| SR1402-500R500C10 | 425    | Ct10  | 450            | 500            | ±0.31                              | 0.21                          | 0.160                                                                                                  | ~0.050     |                      |                           |                           |

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

# SR1404

Shaft dia.  $\phi 14$  Lead 4mm

Ct7&amp;Ct10 |



Unit:mm

| Ball Screw Specifications |                           |
|---------------------------|---------------------------|
| Ball size                 | φ 2.381                   |
| Number of thread          | 1                         |
| Thread direction          | Right                     |
| Shaft root dia.           | φ 11.8                    |
| Number of circuit         | 3.7×1                     |
| Shaft, Nut material       | SCM415H                   |
| Surface hardness          | HRC58~62<br>(Thread area) |
| Anti-rust treatment       | Anti-rust oil             |

Unit:mm

| Ball Screw Model  | Travel | Grade | Shaft length   |                | Lead accuracy                      |                               | Total Run-out<br> | Axial play | Preload Torque<br>Nm | Basic Load Rating<br>N |               |
|-------------------|--------|-------|----------------|----------------|------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------|------------|----------------------|------------------------|---------------|
|                   |        |       | L <sub>1</sub> | L <sub>2</sub> | Travel deviation<br>e <sub>p</sub> | Variation<br>V <sub>300</sub> |                                                                                                        |            |                      | Dynamic<br>Ca          | Static<br>Coa |
| SR1404-500R500C7  | 415    | Ct7   | 450            | 500            | ±0.07                              | 0.05                          | 0.080                                                                                                  | ~0.020     | —                    | 5700                   | 11600         |
| SR1404-500R500C10 | 415    | Ct10  | 450            | 500            | ±0.31                              | 0.21                          | 0.160                                                                                                  | ~0.050     |                      |                        |               |

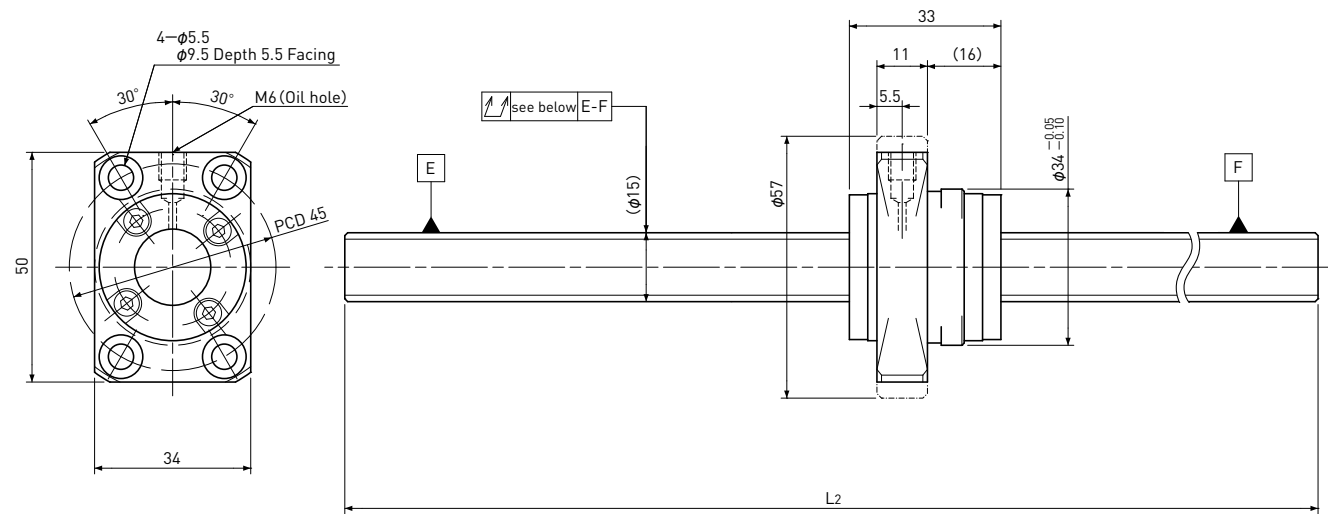
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR1505

Shaft dia.  $\phi 15$  Lead 5mm

Ct10



Unit: mm

| Ball Screw Specifications |                        |        |
|---------------------------|------------------------|--------|
| Ball size                 | $\phi 3.175$           |        |
| Number of thread          | 1                      |        |
| Thread direction          | Right                  |        |
| Shaft root dia.           | $\phi 12.2$            |        |
| Number of circuit         | 3.7 $\times$ 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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1505-1000R1000C10 | 965    | Ct10  | —              | 1000           | $\pm 0.7$              | 0.21                | 0.400         | $\sim 0.050$ | —                 | 8900                | 17000      |

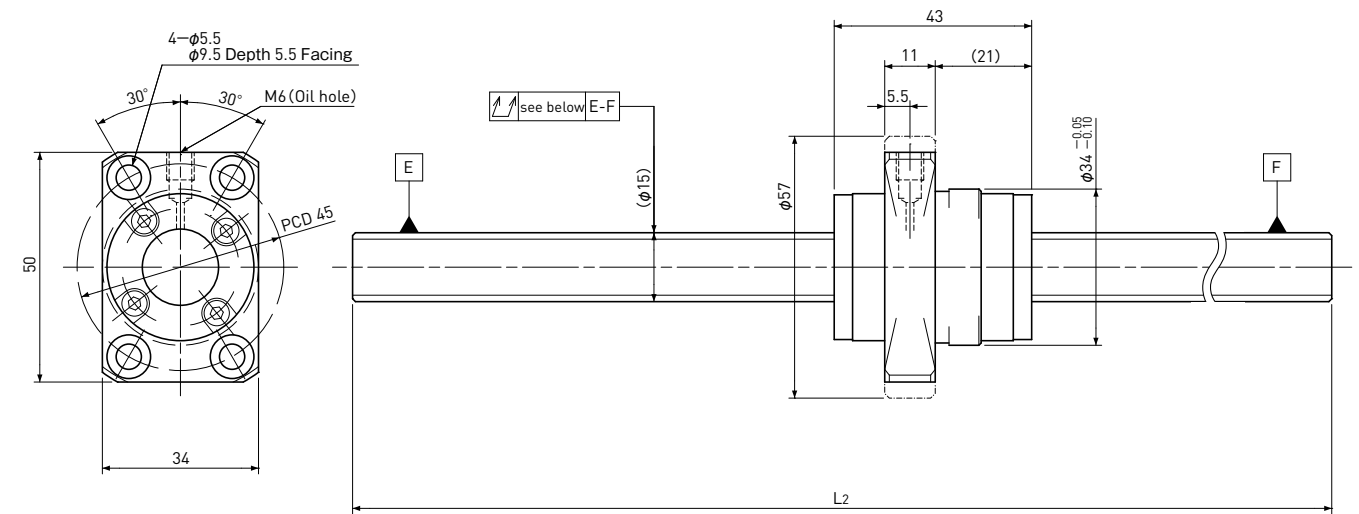
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR1510

Shaft dia.  $\phi 15$  Lead 10mm

Ct10



Unit: mm

| Ball Screw Specifications |                        |        |
|---------------------------|------------------------|--------|
| Ball size                 | $\phi 3.175$           |        |
| Number of thread          | 2                      |        |
| Thread direction          | Right                  |        |
| Shaft root dia.           | $\phi 12.2$            |        |
| Number of circuit         | 2.7 $\times$ 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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SR1510-1000R1000C10 | 955    | Ct10  | —              | 1000           | $\pm 0.7$              | 0.21                | 0.400         | $\sim 0.050$ | —                 | 12000               | 25000      |

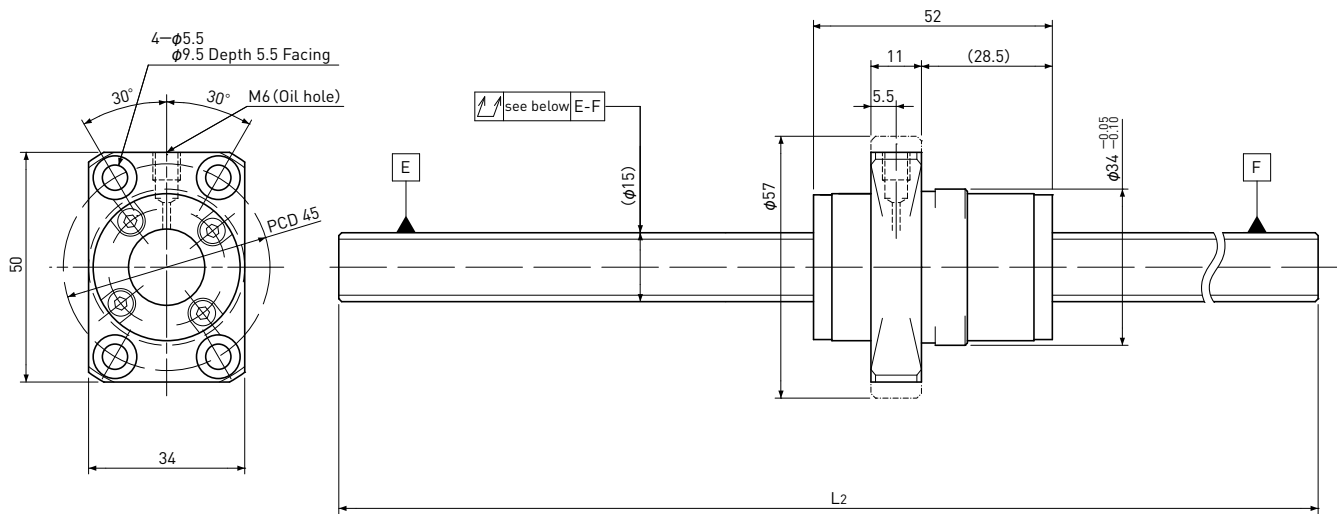
Note) Please designate end-journal profile with your sketch.

Standard products in stock SR series

SR1520

Shaft dia.  $\phi$ 15    Lead 20mm

Ct10



Unit:mm

| Ball Screw Specifications |       |                           |
|---------------------------|-------|---------------------------|
| Ball size                 |       | $\phi$ 3.175              |
| Number of thread          |       | 2                         |
| Thread direction          |       | Right                     |
| Shaft root dia.           |       | $\phi$ 12.7               |
| Number of circuit         |       | 1.7×2                     |
| Material                  | Shaft | SUJ2                      |
|                           | Nut   | SCM415                    |
| Surface hardness          |       | HRC58~62<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation e <sub>p</sub> | Variation V <sub>300</sub> |               |            |                   | Dynamic Ca          | Static Coa |
| SR1520-1000R1000C10 | 945    | Ct10  | —              | 1000           | ±0.7                            | 0.21                       | 0.400         | ~0.050     | —                 | 8000                | 16000      |

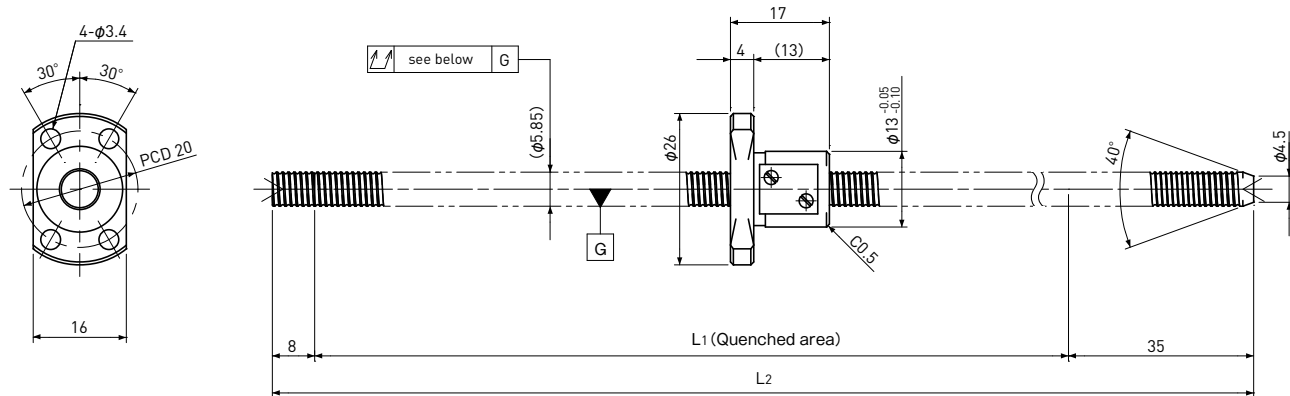
Note)Please designate end-journal profile with your sketch.

Standard products in stock SSR series

# SSR0601

Stainless  
Shaft dia.  $\phi 6$  Lead 1mm

Ct7&Ct10



Unit : mm

| Ball Screw Specifications |                         |
|---------------------------|-------------------------|
| Ball size                 | $\phi 0.8$              |
| Number of thread          | 1                       |
| Thread direction          | Right                   |
| Shaft root dia.           | $\phi 5.3$              |
| Number of circuit         | $3.7 \times 1$          |
| Shaft, Nut material       | SUS440C                 |
| Surface hardness          | HRC55~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SSR0601-300C7    | 240    | Ct7   | 257            | 300            | $\pm 0.04$             | —                   | 0.120         | $\sim 0.020$ | —                 | 560                 | 900        |
| SSR0601-300C10   | 240    | Ct10  | 257            | 300            | $\pm 0.17$             | —                   | 0.240         | $\sim 0.050$ |                   |                     |            |

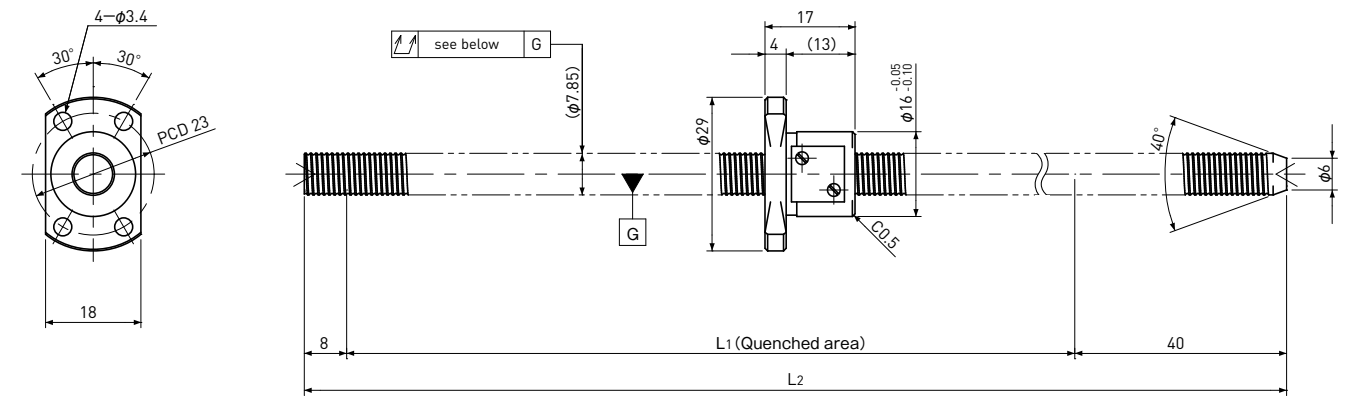
Note) Please designate end-journal profile with your sketch.

Standard products in stock SSR series

# SSR0801

Stainless  
Shaft dia.  $\phi 8$  Lead 1mm

Ct7&Ct10



Unit : mm

| Ball Screw Specifications |                         |
|---------------------------|-------------------------|
| Ball size                 | $\phi 0.8$              |
| Number of thread          | 1                       |
| Thread direction          | Right                   |
| Shaft root dia.           | $\phi 7.3$              |
| Number of circuit         | $3.7 \times 1$          |
| Shaft, Nut material       | SUS440C                 |
| Surface hardness          | HRC55~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SSR0801-400C7    | 335    | Ct7   | 352            | 400            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 630                 | 1250       |
| SSR0801-400C10   | 335    | Ct10  | 352            | 400            | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

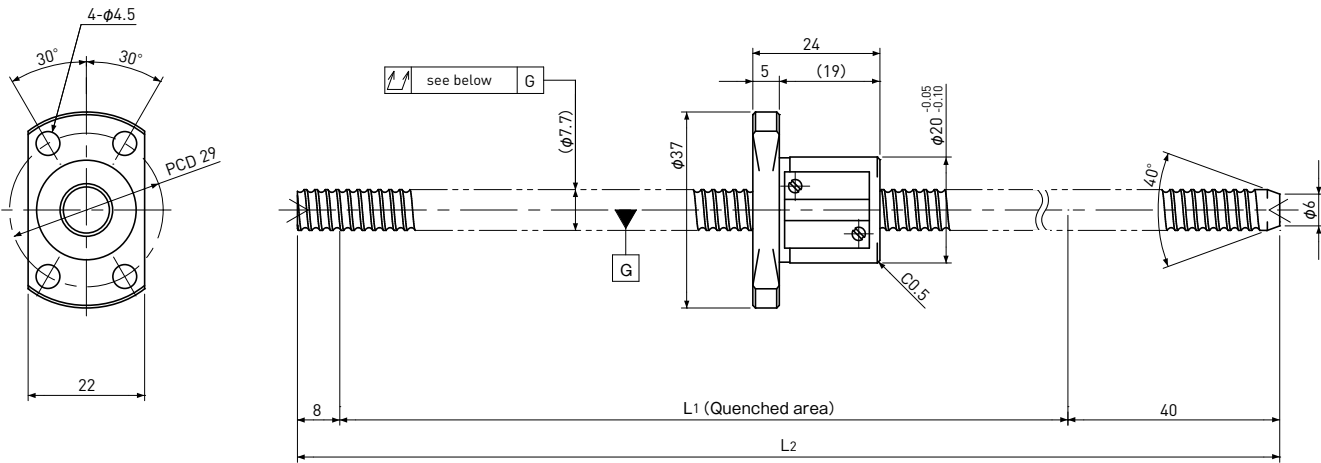
Note) Please designate end-journal profile with your sketch.

Standard products in stock SSR series

SSR0802

Stainless  
Shaft dia.  $\phi 8$     Lead 2mm

Ct7&Ct10



Unit : mm

| Ball Screw Specifications |                         |
|---------------------------|-------------------------|
| Ball size                 | $\phi 1.5875$           |
| Number of thread          | 1                       |
| Thread direction          | Right                   |
| Shaft root dia.           | $\phi 6.6$              |
| Number of circuit         | $3.7 \times 1$          |
| Shaft,Nut material        | SUS440C                 |
| Surface hardness          | HRC55~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SSR0802-400C7    | 325    | Ct7   | 352            | 400            | $\pm 0.06$             | 0.05                | 0.120         | $\sim 0.020$ | —                 | 1950                | 3100       |
| SSR0802-400C10   | 325    | Ct10  | 352            | 400            | $\pm 0.24$             | 0.21                | 0.240         | $\sim 0.050$ |                   |                     |            |

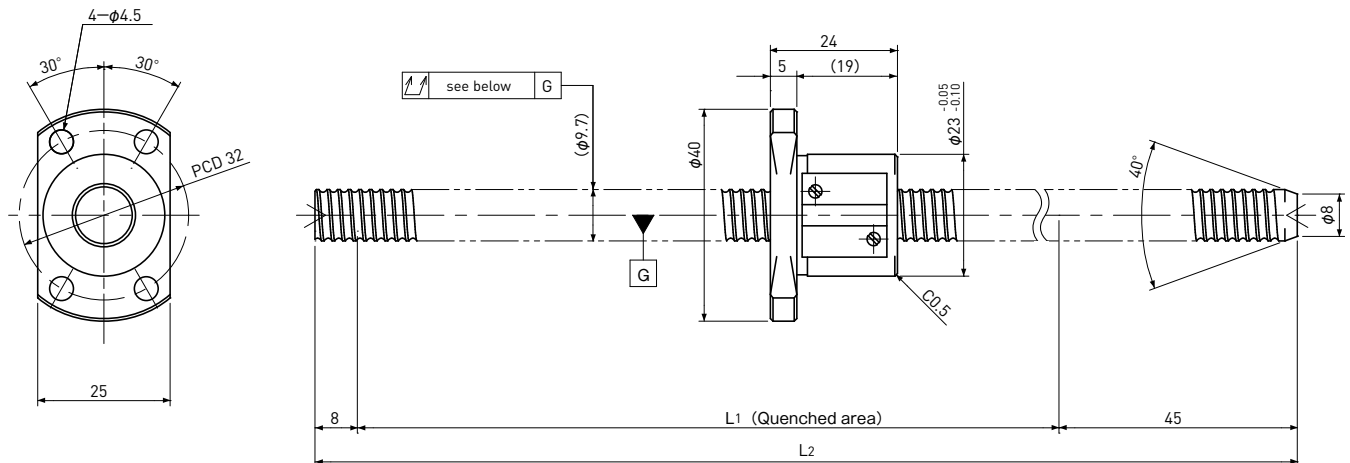
Note)Please designate end-journal profile with your sketch.

Standard products in stock SSR series

SSR1002

Stainless  
Shaft dia.  $\phi 10$     Lead 2mm

Ct7&Ct10



Unit : mm

| Ball Screw Specifications |                         |
|---------------------------|-------------------------|
| Ball size                 | $\phi 1.5875$           |
| Number of thread          | 1                       |
| Thread direction          | Right                   |
| Shaft root dia.           | $\phi 8.6$              |
| Number of circuit         | $3.7 \times 1$          |
| Shaft,Nut material        | SUS440C                 |
| Surface hardness          | HRC55~<br>(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 <sub>1</sub> | L <sub>2</sub> | Travel deviation $e_p$ | Variation $V_{300}$ |               |              |                   | Dynamic Ca          | Static Coa |
| SSR1002-400C7    | 320    | Ct7   | 347            | 400            | $\pm 0.06$             | 0.05                | 0.080         | $\sim 0.020$ | —                 | 2200                | 4000       |
| SSR1002-400C10   | 320    | Ct10  | 347            | 400            | $\pm 0.24$             | 0.21                | 0.160         | $\sim 0.050$ |                   |                     |            |

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