



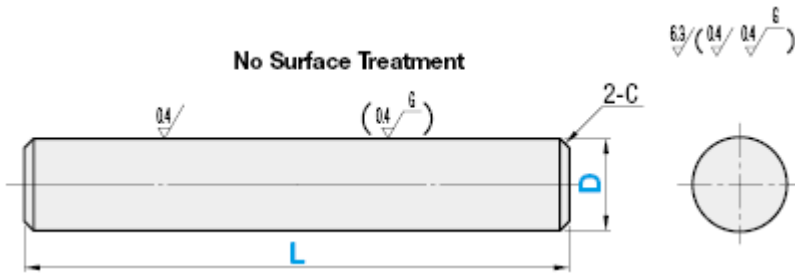
# Linear Shafts\_Straight



Part Number **SSFU3-81**

20180404092947

|                                |                                    |   |                        |
|--------------------------------|------------------------------------|---|------------------------|
| <b>Basic Shape</b>             | Straight                           | <b>Shaft end shape (left)</b>             | Straight               |
| <b>Shaft end shape (right)</b> | Straight                           | <b>Shaft end perpendicularity</b>         | Perpendicularity (0.2) |
| <b>Material</b>                | [Stainless Steel] EN 1.4125 Equiv. | <b>Heat Treatment</b>                     | Induction Hardened     |
| <b>Surface Treatment</b>       | No                                 | <b>Shaft Dia. D(<math>\varphi</math>)</b> | 3                      |
| <b>Length L(mm)</b>            | 81                                 | <b>Shaft Fits Tolerance</b>               | h5                     |
| <b>Hardness</b>                | Induction Hardening (56HRC~)       | -   | -                      |





Alterations



Part Number - L - (LKC, SC...etc.)

SFJ30 - 250 - LKC

Alteration Details P.113

| Alterations | Code | Spec.   |
|-------------|------|---|
|             | LKC  | L Dimension Tolerance Change (Precision)<br>[Ordering Code] LKC<br>L dimensions can be specified in 0.1 mm increment for LKC.<br>⚠ L<200 → L±0.03<br>200≤L<500 → L±0.05<br>L≥500 → L±0.1  |
|             | SC   | Wrench Flats at One Location<br>[Ordering Code] SC5<br>[Application Notes] Applicable to D=6 or more<br>SC=1mm Increment<br>⚠ SC+l1≤L<br>⚠ SC≥0<br>⚠ Not available in combination with WSC.   |
|             | WSC  | Wrench Flats at Two Locations<br>[Ordering Code] WSC12-X8<br>[Application Notes] Applicable to D=6 or more<br>WSC, X=1mm Increment<br>⚠ WSC+X+l1×2<L<br>⚠ WSC(X)≥0<br>⚠ Orientation between wrench flats is not coplanar. Not available in combination with SC. |
|             | FC   | Set Screw Flat at One Location<br>[Ordering Code] FC10-A8<br>FC, A=1mm Increment<br>⚠ FC≤3xD<br>⚠ When 1.5xD<FC, FC≤L/2<br>⚠ A=0 or A≥2<br>⚠ Not available in combination with WFC.   |
|             | WFC  | Set Screw Flats at Two Locations<br>[Ordering Code] WFC10-A8-E20<br>WFC, A, E=1mm Increment<br>⚠ WFC≤3xD<br>⚠ When 1.5xD<WFC, 2WFC≤L/2<br>⚠ A(E)=0 or A(E)≥2<br>⚠ Orientation between set screw flats is not coplanar.<br>Not available in combination with FC. |

| Alterations | Code | Spec.   |
|-------------|------|---|
|             | RC   | 90-deg. Set Screw Flat at One Location<br>[Ordering Code] RC10<br>[Application Notes] Only applicable to D=10 ~ 30.<br>⚠ Not available in combination with WRC.   |
|             | WRC  | 90-deg. Set Screw Flats at Two Locations<br>[Ordering Code] WRC10-Y10<br>[Application Notes] Only applicable to D=10 ~ 30.<br>⚠ Not available in combination with RC.<br>⚠ Orientation between two set screw flats is not coplanar. |
|             | VC   | V Groove at One Location<br>[Ordering Code] VC8<br>[Application Notes] Applicable to D=6 or more<br>⚠ Not available in combination with WVC.  |
|             | WVC  | V Grooves at Two Locations<br>[Ordering Code] WVC180-F8<br>[Application Notes] Applicable to D=6 or more<br>⚠ Not available in combination with VC.   |
|             | KC   | Add keyway at one location.<br>[Ordering Code] KC10-G10<br>[Application Notes]<br>Only applicable to D=12, 16, 20, 25 and 30.   |

For details, see Shaft Alteration Guide. P.113

- ⚠ Please see Shaft Alteration Overview for details if provided. P.113
- ⚠ When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm. P.114
- ⚠ Alterations may lower hardness. See P.112