

Pivot Pins

Set Screw Flat, Shouldered with Set Screw Flat

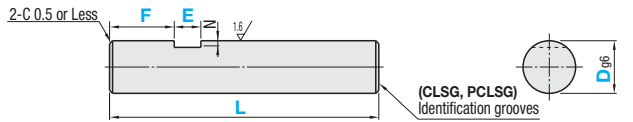
Set Screw Flat Type



RoHS10

| Type | Material | Hardness | Surface Treatment |
|--------|--------------------|----------|----------------------------|
| CLSG | S45C Equivalent | - | Black Oxide |
| CLSGH | | 40~45HRC | |
| PCLSG | | - | Electroless Nickel Plating |
| PCLSGH | | 40~45HRC | |
| SCLSG | SUS304 | - | - |
| SCLSGH | SUS440C Equivalent | 45~50HRC | - |

- CLSG, PCLSG may have identification grooves on the side in order to distinguish them from Hardened Type.
- For L Dimension, Standard Machining Tolerances (Class: Medium) is used.
- This type may have centering holes depending on dimensions.

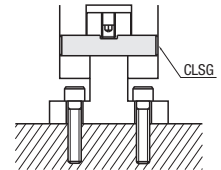


| D Tolerance (g6) | |
|------------------|------------------|
| 3 | -0.002 -0.008 |
| 4~6 | -0.004 -0.012 |
| 8, 10 | -0.005 -0.014 |
| 12~18 | -0.006 -0.017 |
| 20~25 | -0.007 -0.020 |

| Part Number Type | D | L=0.1mm Increment | 1mm Increment | | N | Unit Price | | | | | | | | | | | | | |
|---|------------|-------------------|-----------------------|--------|-----|------------|-------|-------|--------|-------|--------|--|--|--|--|--|--|--|--|
| | | | F | E | | CLSG | CLSGH | PCLSG | PCLSGH | SCLSG | SCLSGH | | | | | | | | |
| CLSG CLSGH PCLSG PCLSGH SCLSG SCLSGH | 3 | 5.0~50.0 | F=0 or 2sFs/L/2 | 1sEs50 | 0.5 | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | |
| | 12 | 15.0~200.0 | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | |
| | 15 | 25.0~200.0 | | | | | | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 25 | 30.0~200.0 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |



Example



SCLSGH may be discolored by hardening.

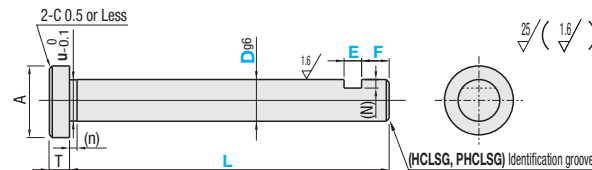
Shouldered with Set Screw Flat



RoHS10

| Type | D Tolerance | Material | Hardness | Surface Treatment |
|---------|-------------|--------------------|----------|----------------------------|
| HCLSG | g6 | S45C Equivalent | - | Black Oxide |
| HCLSGH | | | 40~45HRC | |
| PHCLSG | | | - | Electroless Nickel Plating |
| PHCLSGH | | | 40~45HRC | |
| SHCLSG | | SUS304 | - | - |
| SHCLSGH | | SUS440C Equivalent | 45~50HRC | - |

| D Tolerance (g6) | |
|------------------|------------------|
| 3 | -0.002 -0.008 |
| 4~6 | -0.004 -0.012 |
| 8, 10 | -0.005 -0.014 |
| 12~18 | -0.006 -0.017 |
| 20~25 | -0.007 -0.020 |



- For L Dimension, Standard Machining Tolerances (Class: Medium) is used.
- This type may have centering holes depending on dimensions.
- HCLSG, PHCLSG may have identification grooves on the side in order to distinguish them from Hardened Type.
- Relief dimension under the shoulder is for reference.

| Part Number Type | D | L=0.1mm Increment | 0.1mm Increment | | A | u | T | (n) | (N) | Unit Price | | | | | | | | | | | | | |
|---|------------|-------------------|-----------------|-----------------------|-----|-----|-----|-----|-----|------------|--------|--------|---------|--------|---------|--|--|--|--|--|--|--|--|
| | | | E | F | | | | | | HCLSG | HCLSGH | PHCLSG | PHCLSGH | SHCLSG | SHCLSGH | | | | | | | | |
| HCLSG HCLSGH PHCLSG PHCLSGH SHCLSG SHCLSGH | 3 | 5.0~50.0 | 1sEs50 | F=0 or 2sFs/L/2 | 1.5 | 2.9 | 1.0 | 0.5 | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 10.0~100.0 | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | 15.0~200.0 | | | | | | | | | | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 20.0~200.0 | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | |

SHCLSGH may be discolored by hardening.

Ordering Example: Part Number - L - E, F - E, F

Example: CLSGH15 - 100.0 - F20 - E10

HCLSG20 - 120.3 - E10 - F10

For Set Screw Flat Type and Shouldered with Set Screw Flat Type, specifying order of E and F is reversed.

| Alterations | Tapping | Shoulder Thickness | L Dimension Tolerance |
|-------------|--|--|---|
| | | | |
| Code | MMC | TC | LKC |
| Spec. | Ordering Code: MMC D M (Coarse) z 6 M3 6 8~14 M4 8 15~22 M6 12 25 M8 16 Not applicable to Shouldered with Set Screw Type. Not applicable to D3 ~ 5. (D-M)/2 When (D-M)/2-N ≤ 1, F=Mx2. L > Mx3 | Ordering Code: TC3 TC=0.5mm Increment T < TC ≤ 5 Not applicable to Set Screw Flat Type. | Ordering Code: LKC Changes L dimension tolerance to ±0.05. Not applicable to Set Screw Flat Type. |

Alterations: Part Number - L - E, F - E, F - (MMC, TC, LKC)

Example: CLSGH15 - 100.0 - F20 - E10 - MMC