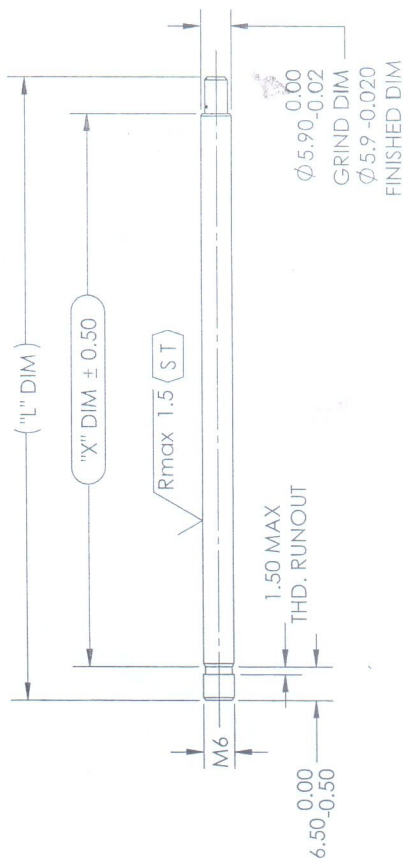


Technical drawing of a shaft with a keyway. The drawing shows the shaft with a keyway and a key. The dimensions and tolerances are as follows:

- Shaft diameter:  $\phi 5.20$  with a tolerance of  $+0.10$  to  $0.00$ .
- Keyway width:  $1.30$  with a tolerance of  $0.00$  to  $-0.20$ .
- Keyway depth:  $0.50$  with a tolerance of  $+0.10$  to  $-0.20$ .
- Key width:  $7 \pm 0.20$ .
- Key height:  $0.50$  with a tolerance of  $+0.10$  to  $-0.20$ .
- Keyway angle:  $30^\circ$ .
- Surface texture:  $Rz 100$ .
- Shaft diameter:  $\phi 4.50$ .
- Shaft diameter:  $\phi 4.40$  with a tolerance of  $0.00$  to  $-0.10$ .
- Shaft diameter:  $\phi 5.50$ .

1. MUST BE CLEAN, FREE OF DEBRIS AND FREE OF BURRS.
2. NO IMPERFECTIONS ALLOWED IN AXIAL OR RADIAL DIRECTIONS.
3.  $\boxed{ST} =$  CRITICAL CHARACTERISTIC.
4. SALT BATH NITROCARBURIZED.  
CORROSION RESISTANCE TO BE >96HRS  
W/O RED RUST ACCORDING TO ASTM B117  
IN "X" DIM AREA ONLY



**CONTROLLED**  
**MUST BE BLUE INK**

|              |                             |            |             |                 |
|--------------|-----------------------------|------------|-------------|-----------------|
| C196         | REMOVED CHART ADDED SHEET 2 | RTA        | TSH         | 6/05/18         |
| B280         | REMOVED SURF ANNEAL         |            | RTA         | 1/11/16         |
|              | RELEASED                    |            | RTA         | 7/2/15          |
| REV. COM.    | REVISIONS                   | CHANGED BY | APPROVED BY | DATE (MM/DD/YY) |
| RESUBMITTION |                             |            |             |                 |

6.0mm PISTON ROD

C45 (DIN EN 10250-2)

G51-0001

**SUSPA**  
3970 Roger B. Chaffee S.E.  
Grand Rapids, Michigan 49548-3497  
www.suspo-inc.com

DO NOT MANUFACTURE TO THIS DRAWING  
UNLESS IT IS MARKED "CONTROLLED"

**DO NOT SCALE THIS DRAWING**

ALL DIMENSIONS ARE IN MILLIMETERS

PLACE DECIMAL  $\pm 0.2$  ANGULAR

| PLATE | PLATE DECIMAL | $+/-2^\circ$ |
|-------|---------------|--------------|
| 1     | 0.1           |              |
| 2     | 0.1           |              |
| 3     | 0.1           |              |
| 4     | 0.1           |              |
| 5     | 0.1           |              |
| 6     | 0.1           |              |
| 7     | 0.1           |              |
| 8     | 0.1           |              |
| 9     | 0.1           |              |
| 10    | 0.1           |              |
| 11    | 0.1           |              |
| 12    | 0.1           |              |
| 13    | 0.1           |              |
| 14    | 0.1           |              |
| 15    | 0.1           |              |
| 16    | 0.1           |              |
| 17    | 0.1           |              |
| 18    | 0.1           |              |
| 19    | 0.1           |              |
| 20    | 0.1           |              |
| 21    | 0.1           |              |
| 22    | 0.1           |              |
| 23    | 0.1           |              |
| 24    | 0.1           |              |
| 25    | 0.1           |              |
| 26    | 0.1           |              |
| 27    | 0.1           |              |
| 28    | 0.1           |              |
| 29    | 0.1           |              |
| 30    | 0.1           |              |
| 31    | 0.1           |              |
| 32    | 0.1           |              |
| 33    | 0.1           |              |
| 34    | 0.1           |              |
| 35    | 0.1           |              |
| 36    | 0.1           |              |
| 37    | 0.1           |              |
| 38    | 0.1           |              |
| 39    | 0.1           |              |
| 40    | 0.1           |              |
| 41    | 0.1           |              |
| 42    | 0.1           |              |
| 43    | 0.1           |              |
| 44    | 0.1           |              |
| 45    | 0.1           |              |
| 46    | 0.1           |              |
| 47    | 0.1           |              |
| 48    | 0.1           |              |
| 49    | 0.1           |              |
| 50    | 0.1           |              |
| 51    | 0.1           |              |
| 52    | 0.1           |              |
| 53    | 0.1           |              |
| 54    | 0.1           |              |
| 55    | 0.1           |              |
| 56    | 0.1           |              |
| 57    | 0.1           |              |
| 58    | 0.1           |              |
| 59    | 0.1           |              |
| 60    | 0.1           |              |
| 61    | 0.1           |              |
| 62    | 0.1           |              |
| 63    | 0.1           |              |
| 64    | 0.1           |              |
| 65    | 0.1           |              |
| 66    | 0.1           |              |
| 67    | 0.1           |              |
| 68    | 0.1           |              |
| 69    | 0.1           |              |
| 70    | 0.1           |              |
| 71    | 0.1           |              |
| 72    | 0.1           |              |
| 73    | 0.1           |              |
| 74    | 0.1           |              |
| 75    | 0.1           |              |
| 76    | 0.1           |              |
| 77    | 0.1           |              |
| 78    | 0.1           |              |
| 79    | 0.1           |              |
| 80    | 0.1           |              |
| 81    | 0.1           |              |
| 82    | 0.1           |              |
| 83    | 0.1           |              |
| 84    | 0.1           |              |
| 85    | 0.1           |              |
| 86    | 0.1           |              |
| 87    | 0.1           |              |
| 88    | 0.1           |              |
| 89    | 0.1           |              |
| 90    | 0.1           |              |
| 91    | 0.1           |              |
| 92    | 0.1           |              |
| 93    | 0.1           |              |
| 94    | 0.1           |              |
| 95    | 0.1           |              |
| 96    | 0.1           |              |
| 97    | 0.1           |              |
| 98    | 0.1           |              |
| 99    | 0.1           |              |
| 100   | 0.1           |              |

|    |          |       |  |
|----|----------|-------|--|
| BY | DATE     | SCALE |  |
|    | 11/27/05 |       |  |

|   |           |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 4/11/2015 | 1:1 |                 |
|---|-----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SHEET: 1 OF 2