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12SO800-12SP800-12SQ800-12SR800-12SS800-12ST800-12SU800-12SV800-12SW800-1

Fig-1 BASIC

Technical drawing of a shaft assembly with dimensions and part numbers. The drawing shows a shaft with a keyway and keyslots. Dimensions include diameters (.620 DIA., .8750 DIA., .9985 DIA., 1.062 DIA., .994 DIA., .983 DIA.), lengths (3, 10 7/8, 4 1/2, 1 1/8, 1 3/4, 1 3/32, 1 3/32, 1 3/32), and thread specifications (5/8 -18 UNF-2A R.H. THD., #61 KEYSLOTS, 3/8 -24 UNF-2B THD. TAP 1 1/8 DEEP). A note indicates 'POSITION OF KEYWAY/KEYSLOTS MAYBE 180° OPPOSITE POSITIONS SHOWN'. Part numbers 493282 (NLA), 493430 (NLA), and 694440 PLRE are listed.

POSITION OF KEYWAY/KEYSLOTS MAYBE 180° OPPOSITE POSITIONS SHOWN

493282 (NLA)
493430 (NLA)
694440 PLRE

Fig-2

Technical drawing of a shaft with a keyway and keyslots. The shaft has a total length of $3\frac{5}{32}$. A keyway is shown with a width of $\frac{1}{4}$. The keyway is located at the end of the shaft, with a diameter of $\frac{874}{873}$ DIA. The keyway is labeled #6 KEYSLOTS. The shaft is shown with a cross-section and a side view.

493362 (NLA)
694442 PRE

Fig-3

Technical drawing of a shaft and key assembly. The shaft has a diameter of 874/873 DIA. The keyway has a width of 1 1/4 inches. The key has a width of 3/16 inches and a height of 2 1/8 inches. The keyway depth is 2 7/16 inches. The key is labeled #6 KEYSLOT.

Fig-4

Technical drawing of a mechanical part (Fig-4) showing dimensions. The part has a threaded section on the left and a smooth section on the right. Dimensions are given in inches: $1 \frac{3}{16}$ for the smooth section length, $2 \frac{1}{8}$ for the total length, and $2 \frac{7}{16}$ for the distance from the end of the threaded section to the end of the smooth section.

Fig-5

Technical drawing of a shaft assembly. The shaft has a central section with a keyway labeled "#6 KEYSLOT". The total length is $3\frac{17}{32}$. The distance from the left end to the start of the keyway is $2\frac{15}{32}$. The keyway has a depth of $.874$ DIA. and a width of $.668$ DIA. The shaft has a threaded section on the right labeled $\frac{5}{8}$ -18 UNF-2A R.H. THREAD. The distance from the left end to the start of the thread is $1\frac{3}{4}$. The distance from the start of the thread to the end of the shaft is $1\frac{1}{8}$. The distance from the end of the thread to the end of the shaft is $\frac{13}{16}$.

Fig-6

3/16 KEYWAY

17/64

2 1/8

2 7/16

7/16-20 UNF-2B TAP 1 1/16 DEEP

493429 PO
494547 PO

Fig-7

#6 KEYSLOT

$1\frac{1}{2}$

$1\frac{13}{16}$

$\frac{3}{8}$ -.24 UNF-2B TAP $1\frac{1}{16}$ DEEP

690793 PO

Fig-8

Technical drawing of a shaft with a splined section. The shaft has a total length of $4 \frac{1}{16}$ inches, divided into a $1 \frac{15}{16}$ inch section and a $2 \frac{11}{32}$ inch splined section. The splined section is labeled "SPLINED" and "7/16 -20 UNF-2B TAP 1 1/16 DEEP".

Fig-9

#6 KEYSLOT

0.874
0.873 DIA.

$\frac{1}{2}$

$1 \frac{13}{16}$

$\frac{3}{8}$ -24 UNF-2B TAP $\frac{15}{16}$ DEEP

493437 (NLA)

Fig-10

#6 KEYSLOT

.874
.873 DIA.

$\frac{7}{8}$

$1 \frac{3}{16}$

690794 PO

Fig-11

Technical drawing of a shaft assembly. The shaft has a total length of $1\frac{15}{16}$ inches. A section of the shaft is splined, with a spline width of $2\frac{7}{16}$ inches. The spline section is $1\frac{5}{8}$ inches long. The shaft is threaded with $\frac{7}{16}$ -20 UNF-2B TAP $1\frac{1}{8}$ DEEP. The drawing includes a cross-section of the shaft and a side view of the splined section.

Fig-12

Technical drawing of a shaft with a keyway. The shaft has a diameter of .874 to .873 DIA. The keyway has a width of 1 1/2 inches and a depth of 1 1/8 inches. The keyway is labeled 'KEYWAY' and has a dimension of 3/16 inches for the key width.

Fig-13

#6 KEYSLOTS

1 $\frac{3}{16}$

.874
.873 DIA.

2 $\frac{1}{4}$

2 $\frac{7}{16}$

493566 PO

Fig-14

Technical drawing of a shaft with a keyway. The shaft has a total length of 2 7/16 inches. The keyway is 1 17/64 inches wide and 3/16 inch deep. The keyway is located 2 1/8 inches from the left end of the shaft. The shaft is threaded 7/16-20 UNF-2B TAP 1 1/8 DEEP.

3/16 KEYWAY

1 17/64

2 1/8

2 7/16

7/16-20 UNF-2B TAP 1 1/8 DEEP

493731 (NLA)
494546 (NLA)
694443 PRE

Fig-15

Technical drawing of a mechanical part, likely a shaft or pin, showing dimensions. The part has a threaded section on the left and a smooth section on the right. Dimensions are indicated by arrows and fractions:

- Total length: $2\frac{7}{16}$
- Length of threaded section: $2\frac{1}{8}$
- Length of smooth section: $1\frac{3}{16}$
- Length of a specific feature on the smooth section: $1\frac{1}{4}$

692000 PO

Fig-16

Technical drawing of a shaft and key assembly. The shaft has a diameter of $.874$ to $.873$ DIA. The keyway is $1 \frac{1}{16}$ inches wide and $1 \frac{1}{2}$ inches long. The key is $1 \frac{1}{16}$ inches wide and $1 \frac{1}{2}$ inches long. The key is labeled #6 KEYSLOT. The shaft is labeled KEYWAY.

Fig-17

The diagram shows a shaft assembly. On the left is a flange with ten radial slots. The shaft has a total length of $1\frac{15}{16}$ units. A section of the shaft, indicated by a bracket and the label "SPLINED", has a length of $2\frac{1}{32}$ units. The splined section is shaded with horizontal lines.