



DL800

## DoubleLock® Vises (Manual)

### DL800 Features:

- Large Capacity -DL800 8" wide x 6" opening each station.
- Productivity – multiple part workholding for better spindle utilization, reduced tool change time, and reduced machine travel from part to part.
- Accuracy – repeatable clamping to 0.0002".
- Durability – 80,000-PSI ductile iron body and steel components provide strength, rigidity and long term accuracy while absorbing machining vibration.
- Self-adjusting holding block over the entire clamping range.
- Metric version available.
- Optional internal hex screw available.
- Pre-load is adjustable from 0.010" to 0.150".
- New holding block features the ability to clamp dissimilar sized parts and provides preloading ability in the front or back jaw.
- Patented



DLH800

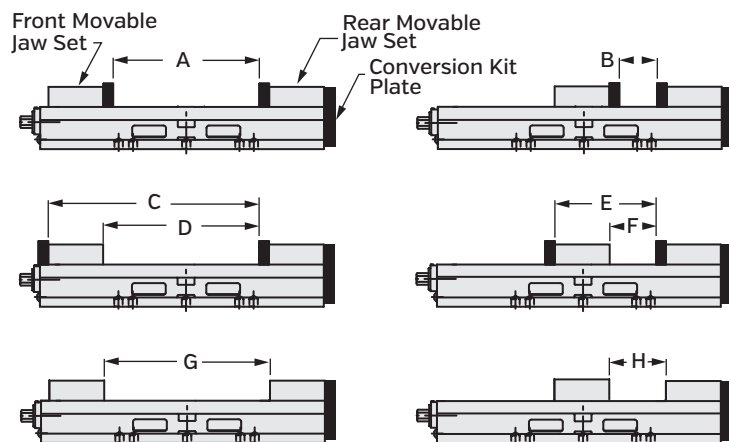


## DoubleLock® Vises (Hydraulic)

### DLH800 Features:

- Repeatable clamping [0.0002"] for high accuracy machining and handles a higher horsepower cut than the manual version.
- Compact design features a wide range of clamping forces up to 9,450 Lbs. 1/4" stroke - 1/8" per side.
- Productivity – multiple part workholding for better spindle utilization, reduced tool change time, and reduced machine travel from part to part.
- Durability – 80,000-PSI ductile iron body and steel components provide strength, rigidity and long term accuracy while absorbing machining vibration.
- Patented

### Optional Convertible Kit – Jaw Positions



Shown with optional convertible kit.

Use your DoubleLock vise to it's full capacity with the DoubleLock convertible kit. The kit is available for the DL800 vise. DLC800-KIT



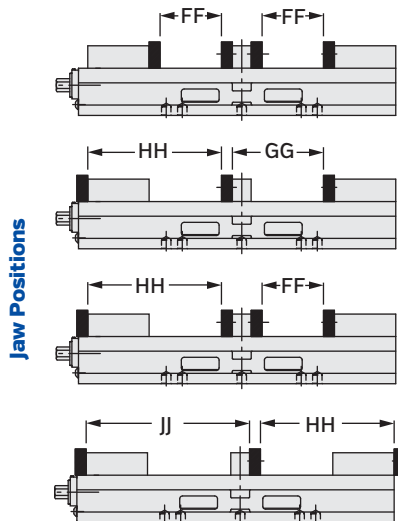
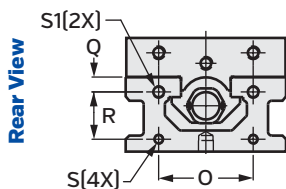
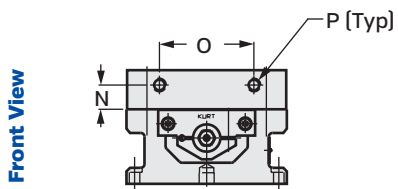
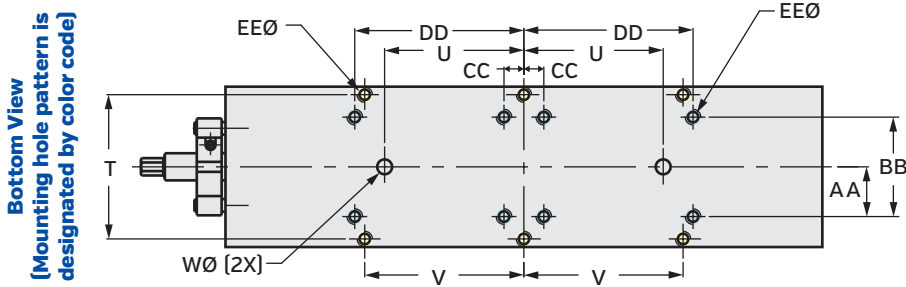
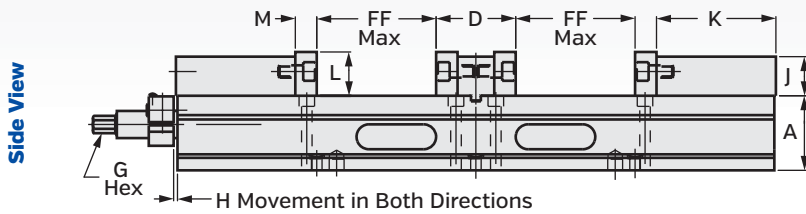
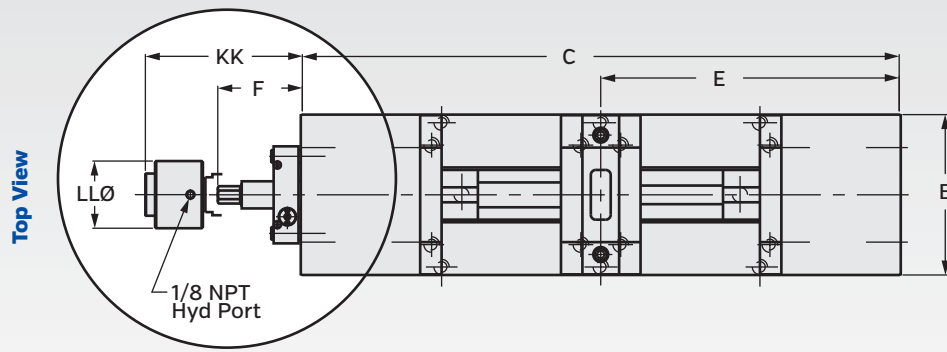
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**KHP5000 Hydraulic Pump, page 75**

Optional Convertible Kit - Jaw Opening Positions

| Part #       | A      | B      | C      | D      | E      | F      | G      | H      | Wt. Lbs |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| DLC800 - KIT | 16,000 | 12,000 | 23,000 | 17,000 | 19,000 | 13,000 | 18,000 | 14,000 | 20      |



## Dimensional Data

|                          | DL800  | DLH800     |
|--------------------------|--------|------------|
| A                        | 3.750  | 3.750      |
| B                        | 8.060  | 8.060      |
| C                        | 30.000 | 30.000     |
| D                        | 4.000  | 4.000      |
| E                        | 15.000 | 15.000     |
| F                        | 4.250  | N/A        |
| G                        | 3/4    | 7/16 - INT |
| H                        | 0.190  | 0.190      |
| J                        | 1.965  | 1.965      |
| K                        | 6.000  | 6.000      |
| L                        | 2.200  | 2.200      |
| M                        | 1.075  | 1.075      |
| N                        | 1.220  | 1.220      |
| O                        | 4.750  | 4.750      |
| P                        | 5/8-11 | 5/8-11     |
| Q                        | 0.750  | 0.750      |
| R                        | 2.375  | 2.375      |
| S                        | 1/2-13 | 1/2-13     |
| S1                       | 5/8-11 | 5/8-11     |
| T                        | 7.250  | 7.250      |
| U                        | 7.000  | 7.000      |
| V                        | 8.000  | 8.000      |
| W                        | 0.750  | 0.750      |
| AA                       | 2.500  | 2.500      |
| BB                       | 5.000  | 5.000      |
| CC                       | 1.000  | 1.000      |
| DD                       | 8.500  | 8.500      |
| EE                       | 1/2    | 1/2        |
| FF                       | 6.000  | 6.000      |
| GG                       | 8.925  | 8.925      |
| HH                       | 13.075 | 13.075     |
| JJ                       | 16.000 | 16.000     |
| KK                       | -      | 6.49       |
| Weight                   | 250    | 360        |
| Hyd Displacement Cu. In. | -      | 2.36       |

## Vise Clamping Force-Lbs.

| Manual torque Ft.-Lbs. | DL800 |
|------------------------|-------|
| 10                     | -     |
| 20                     | 2,023 |
| 30                     | -     |
| 40                     | 3,578 |
| 50                     | -     |
| 60                     | 5,136 |
| 70                     | -     |
| 80                     | 6,883 |
| 100                    | 8,997 |

## Vise Clamping Force-Lbs.

| Hydraulic PSI Max. | DLH800 |
|--------------------|--------|
| 400                | 1,575  |
| 800                | 3,150  |
| 1,200              | 4,725  |
| 1,600              | 6,300  |
| 2,000              | 7,875  |
| 2,400              | 9,450  |