






**maurey**

**hi-q cast iron variable pitch sheaves**



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**Permits Variation of as much as 30% in speed when used with sheaves of fixed diameter**
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**Removable lock key in common commercial design (Style 2 parts).**
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**Strong cast iron construction ensures long life of groove and bore and keyway.**



**TYPE 1 -** One setscrew over flat. Machined all over to assure close balance  
**TYPE 2 -** One setscrew over removable lock key. Key must be replaced and locked in position by setscrew(s) before operation. All components are individually balanced before assembly to assure close balancing tolerances.

| SINGLE GROOVE VARIABLE PITCH SHEAVES |             |            |      |                      |     |     |     |   |       |                      |                   |       |
|--------------------------------------|-------------|------------|------|----------------------|-----|-----|-----|---|-------|----------------------|-------------------|-------|
| O.D. Diameter Inches                 | Part Number | List Price | Type | STOCK BORES MARKED X |     |     |     |   |       | Overall Width Inches | Approx Weight Lbs |       |
|                                      |             |            |      | 1/2                  | 5/8 | 3/4 | 7/8 | 1 | 1-1/8 |                      |                   | 1-3/8 |
| 2.50                                 | 1VP25       | \$ 23.60   | 1    | X                    | X   |     |     |   |       |                      | 1-33/64           | 0.7   |
| 3.15                                 | 1VP34       | \$ 24.00   | 1    | X                    | X   | X   | X   |   |       |                      | 1-7/8             | 1.3   |
| 3.75                                 | 1VP40       | \$ 31.20   | 1    | X                    | X   | X   | X   |   |       |                      | 1-7/8             | 1.9   |
| 4.15                                 | 1VP44       | \$ 33.58   | 1    | X                    | X   | X   |     |   |       |                      | 1-7/8             | 2.4   |
| 4.15                                 | 1VP44       | \$ 46.40   | 2    |                      |     |     | X   | X | X     |                      | 1-7/8             | 2.9   |
| 4.75                                 | 1VP50       | \$ 40.40   | 1    | X                    | X   | X   |     | X | X     |                      | 2                 | 2.9   |
| 4.75                                 | 1VP50       | \$ 56.56   | 2    |                      |     |     | X   | X | X     |                      | 1-7/8             | 3.6   |
| 5.35                                 | 1VP56       | \$ 59.00   | 1    | X                    | X   | X   |     |   |       |                      | 1-7/8             | 3.8   |
| 5.35                                 | 1VP56       | \$ 76.20   | 2    |                      |     |     | X   | X | X     |                      | 1-7/8             | 4.4   |
| 6.00                                 | 1VP60 *     | \$ 92.50   | 2    |                      |     |     | X   |   | X     | X                    | 1-21/32           | 6.5   |
| 6.00                                 | 1VP62 *     | \$ 93.40   | 2    |                      | X   | X   | X   | X | X     | X                    | 1-29/32           | 6.1   |
| 6.55                                 | 1VP68 *     | \$ 97.80   | 2    |                      |     | X   | X   | X | X     | X                    | 1-29/32           | 7.3   |
| 7.50                                 | 1VP75 *     | \$ 140.92  | 2    |                      |     |     | X   |   | X     | X                    | 1-21/32           | 9.2   |

Dimensions Held to commercially acceptable tolerances For Standard Keyway Dimensions refer to Page 3  
 \* - HAS NO HUB PROJECTION

| SINGLE GROOVE VARIABLE PITCH SHEAVES |       |                                |            |           |            |                           |            |           |            |                           |            |           |            |
|--------------------------------------|-------|--------------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|
| PART NUMBER                          | TYPE  | PITCH DIAMETER AND PITCH RANGE |            |           |            |                           |            |           |            |                           |            |           |            |
|                                      |       | 3L BELTS                       |            |           |            | "A" HY-T "AX" TORQUE-FLEX |            |           |            | "B" HY-T "BX" TORQUE FLEX |            |           |            |
|                                      |       | MIN PITCH                      | TURNS OPEN | MAX PITCH | TURNS OPEN | MIN Datum                 | TURNS OPEN | MAX Datum | TURNS OPEN | MIN Datum                 | TURNS OPEN | MAX Datum | TURNS OPEN |
| 1VP25                                | 1     | 1.6                            | 4          | 2.4       | 0          |                           |            |           |            |                           |            |           |            |
| 1VP34                                | 1     | 1.7                            | 4          | 2.5       | 0          | 1.9                       | 5          | 2.9       | 0          | 2.4                       | 5          | 3.2       | 1          |
| 1VP40                                | 1     | 2.3                            | 4          | 3.1       | 0          | 2.4                       | 5          | 3.4       | 0          | 2.7                       | 6          | 3.7       | 1          |
| 1VP44                                | 1 & 2 | 2.7                            | 4          | 3.5       | 0          | 2.8                       | 5          | 3.8       | 0          | 3.1                       | 6          | 4.1       | 1          |
| 1VP50                                | 1 & 2 | 3.3                            | 4          | 4.1       | 0          | 3.4                       | 5          | 4.4       | 0          | 3.7                       | 6          | 4.7       | 1          |
| 1VP56                                | 1 & 2 | 3.9                            | 4          | 4.7       | 0          | 4.0                       | 5          | 5.0       | 0          | 4.3                       | 6          | 5.3       | 1          |
| 1VP60                                | 2     |                                |            |           |            | 4.2                       | 5          | 5.2       | 0          | 4.3                       | 6          | 5.5       | 0          |
| 1VP62                                | 2     | 4.5                            | 4          | 5.3       | 0          | 4.6                       | 5          | 5.6       | 0          | 4.9                       | 6          | 5.9       | 1          |
| 1VP68                                | 2     | 5.1                            | 4          | 5.9       | 0          | 5.2                       | 5          | 6.2       | 0          | 5.5                       | 6          | 6.5       | 1          |
| 1VP75                                | 2     |                                |            |           |            | 5.7                       | 5          | 6.7       | 0          | 5.8                       | 6          | 7.0       | 0          |

Not recommended for use with this belt cross section.

**NOW ONE SOURCE FOR BOTH POPULAR STYLES OF HVAC SHEAVES!!**