

V-34~38

**PRECISION ANGLE LOCK  
MACHINE VICE**

Model: HAV-4", 5", 6", 8", 12"



V-39

**PRECISION ANGLE LOCK  
MACHINE VICE**

Model: 6" SUPER-OPEN 8"

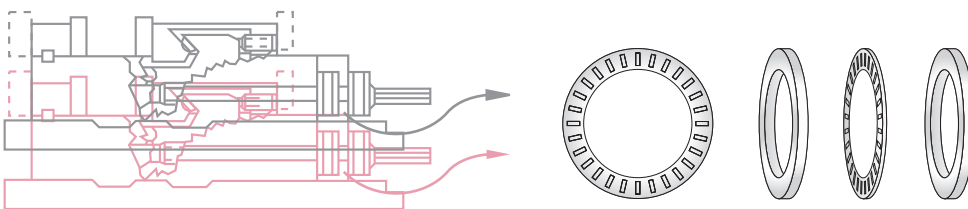
**1.** Two set screws in the Fixed-Jaw ensure that it does not tilt backwards when a very high clamping force is applied.

**2.** Iron Leadscrew Cover protects Leadscrew from swarf.

**3.** Both sides of Slideways are HEAT TREATED.


**4.** ANGLE LOCK MECHANISM creates downward pressure on Jaw ensuring both jaws are parallel during clamping.

**5.** Needle Bearing Thrust Collar cuts friction and increases clamping pressures 80%.




**4 JAW PLATE POSITIONS**

# 1




Important ground surfaces include: top and bottom of bed and stationary and movable jaws.

# 2




Flame hardening of the bed for added wear and strength.

# 3



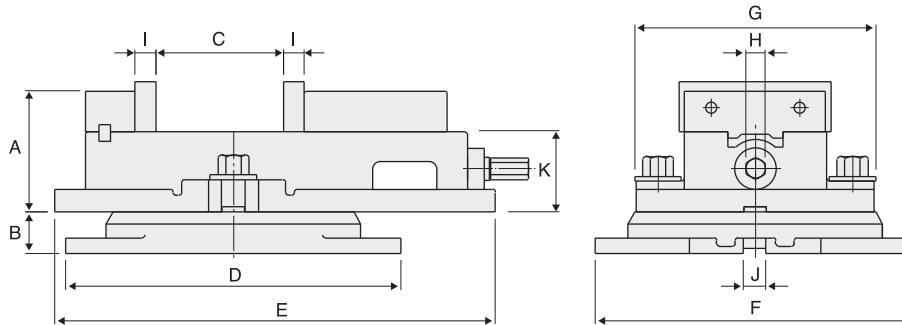
Totally enclosed special treated screw.

# 4






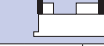
4 jaw plate positions allowing extra Capacity with the jaw plates in the outside position.

**DIMENSIONS**



**SPECIFICATIONS**

Unit: mm/inch




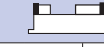
NO	Model									A		B	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
V-34	HAV-4"	107	4	154	5 <sup>15</sup> / <sub>16</sub>	220	8 <sup>9</sup> / <sub>16</sub>	271	10 <sup>1</sup> / <sub>2</sub>	87	3 <sup>27</sup> / <sub>64</sub>	30	1 <sup>15</sup> / <sub>16</sub>
V-35	HAV-5"	110	4 <sup>1</sup> / <sub>4</sub>	163	6 <sup>1</sup> / <sub>2</sub>	249	9 <sup>3</sup> / <sub>4</sub>	304	12	98	3 <sup>55</sup> / <sub>64</sub>	32	1 <sup>1</sup> / <sub>4</sub>
V-36	HAV-6"	138	5 <sup>1</sup> / <sub>2</sub>	201	8	304	12	368	14 <sup>1</sup> / <sub>2</sub>	110	4 <sup>1</sup> / <sub>4</sub>	40	1 <sup>1</sup> / <sub>2</sub>
V-37	HAV-8"	198	7 <sup>3</sup> / <sub>4</sub>	264	10 <sup>3</sup> / <sub>4</sub>	402	15 <sup>13</sup> / <sub>16</sub>	476	18 <sup>3</sup> / <sub>4</sub>	136	5 <sup>27</sup> / <sub>64</sub>	55	2 <sup>3</sup> / <sub>16</sub>
V-38	HAV-12"	320	12 <sup>5</sup> / <sub>8</sub>	400	15 <sup>3</sup> / <sub>4</sub>	480	18 <sup>7</sup> / <sub>8</sub>	560	22	219	8 <sup>5</sup> / <sub>8</sub>	-	-

NO	Model	C		D		E		F		G		H		I		J		K	Weight (kg)	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch					
V-34	HAV-4"	107	4	242	9 <sup>1</sup> / <sub>2</sub>	318	12 <sup>33</sup> / <sub>64</sub>	230	9 <sup>1</sup> / <sub>16</sub>	172	6 <sup>3</sup> / <sub>4</sub>	14	9 <sup>1</sup> / <sub>16</sub>	15	19 <sup>19</sup> / <sub>32</sub>	16	5 <sup>5</sup> / <sub>8</sub>	58	2 <sup>9</sup> / <sub>32</sub>	20
V-35	HAV-5"	110	4 <sup>1</sup> / <sub>4</sub>	280	11	355	14	256	10 <sup>1</sup> / <sub>16</sub>	210	8 <sup>1</sup> / <sub>4</sub>	15	19 <sup>19</sup> / <sub>32</sub>	15	19 <sup>19</sup> / <sub>32</sub>	16	5 <sup>5</sup> / <sub>8</sub>	66	2 <sup>19</sup> / <sub>32</sub>	29
V-36	HAV-6"	138	5 <sup>1</sup> / <sub>2</sub>	336	13 <sup>1</sup> / <sub>4</sub>	405	15 <sup>15</sup> / <sub>16</sub>	300	11 <sup>3</sup> / <sub>4</sub>	238	9 <sup>3</sup> / <sub>8</sub>	19	3 <sup>3</sup> / <sub>4</sub>	18	3 <sup>3</sup> / <sub>4</sub>	18	3 <sup>3</sup> / <sub>4</sub>	72	2 <sup>54</sup> / <sub>64</sub>	41
V-37	HAV-8"	198	7 <sup>3</sup> / <sub>4</sub>	422	16 <sup>5</sup> / <sub>8</sub>	555	21 <sup>3</sup> / <sub>4</sub>	380	15	305	12	19	3 <sup>3</sup> / <sub>4</sub>	24	15 <sup>15</sup> / <sub>16</sub>	18	3 <sup>3</sup> / <sub>4</sub>	84	3 <sup>5</sup> / <sub>16</sub>	80
V-38	HAV-12"	320	12 <sup>5</sup> / <sub>8</sub>	-	-	738	29 <sup>1</sup> / <sub>16</sub>	-	-	408	16 <sup>1</sup> / <sub>16</sub>	19	3 <sup>3</sup> / <sub>4</sub>	24	15 <sup>15</sup> / <sub>16</sub>	-	-	102	4	125

**SPECIFICATIONS** (Material: FCD 55 Ductile Iron. Hardness: HRC 45°)

Unit: mm/inch

NO	Model									A		B	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
V-39	6" SUPER-OPEN 8"	190	7 + 1/2"	263	10 + 3/8"	349	13 + 3/4"	413	16 + 1/4"	114	4 1/2	42	1 5/8

NO	Model	C		D		E		F		G		H		I		J		K	Weight (kg)	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch					
V-39	6" SUPER-OPEN 8"	198	7 <sup>7</sup> / <sub>8</sub>	336	13 <sup>1</sup> / <sub>4</sub>	433	17	300	11 <sup>3</sup> / <sub>4</sub>	238	9 <sup>3</sup> / <sub>8</sub>	19	3 <sup>3</sup> / <sub>4</sub>	18	3 <sup>3</sup> / <sub>4</sub>	18	3 <sup>3</sup> / <sub>4</sub>	75	2 <sup>63</sup> / <sub>64</sub>	50