Toolmakers V-blocks (Double V Type)
Hardened and ground within . $0003^{\prime \prime}$ and small work.

- Four tapped holes 3/8-16 for additional clamping. Forged clamp had adjustable side Specification:
Work capacity: $1-5 / 16^{\prime \prime}$ "dia. approx. Dimension: $1-7 / 8$ " sq $\times 3-5 / 8{ }^{8}$ " long
Accuracy: All surfaces(except Accuracy: All surfaces(except vees)Paraile \& square within . 00002
vees" are $90^{\circ}+.00000$ ".-0003".



## 1-2-3, 2-4-6,4-6-8 Blocks

 Each matched pair has the cross drilling design. 8"-16 for holde for tapped Hardened: HRC 55-62. Made of hardened steel,precision ground on all six
sides.
Squareness on all side per squareness on all side per
Sinch, 0.0001 " to 0.0003 ". inch, 0.0001 " to $0.0003^{\prime \prime}$.


Ultra precision Ground 1-2-3 Blocks
Each set includes:
Matched pair of
$1^{\prime \prime} \times 2^{\prime \prime} \times 3^{3}$ "blocks.
Five $3 / 8$ "-16 so
Hex key.
Features:
Each block is preci
on all 6 surfaces.
ase is hardened
Surface finish from 6 trC 55 -66. Squareness on all sides to within .0001"ner inch. Features 23 holes: 5 are tapped $3 / 8^{\prime \prime}-16$ the other 18 are untapped thru holes.

[^0]
## Universal 1-2-3 Block Set

5 holes tapped $5 / 16$ "-18, arranged
for holding down and conversion into
Angle plates.
6 holes driled through with deep
recess for easy clamping.
Complete with 2 socket head screws.
Make your own precision angle plate
and other inspection tools.
Blocks measure $1 \times 2 \times 3$ "and are
supplied in matched pairs.
Squareness on all sides to within
.0001"per inch.
Oversized to allow for nominal Oversized to allow for nominal
lapping .0001-.0003"

## Rectangular Gage Block Sets

Steel sets are produced from a special material featuring high carbon and chrome content.
Stress relieved and heat treated to 65 RC ; extremely wear-resistant. Mirror-polished surface finish provides exceptional wringing characteristics.
Individual serial numbers on each block, regardless of grade. - Individual serial numbers on each block, regardless of grad

Manufactured a temperature-controiled environment to provide precise and
The accuracies of all blocks meet or exceed standard of the
GGG-G-15C (inch block) and ISO (metric block), Also made in accrodance W With Din861.

- With certificate.
Carbide Sets
- Provides maximum durability under the most demanding conditions. Especially recommended when exposure to abrasives may occur. Outlasts and outperforms regular steel blocks every time.


Model No.:GB-81B






## Large Gage Block Sets



Model No.: GBLM-80
8 pieces
metric: $125 \mathrm{~mm}, 150 \mathrm{~mm}, 175 \mathrm{~mm}, 200 \mathrm{~mm}, 250 \mathrm{~mm}, 300 \mathrm{~mm}, 400 \mathrm{~mm} \& 500 \mathrm{~mm}$.

5 pieces
metric: $600 \mathrm{~mm}, 700 \mathrm{~mm}, 800 \mathrm{~mm}, 900 \mathrm{~mm}$ \& 1000 mm inch: $24^{4}, 28^{\prime \prime}, 32^{\prime \prime}, 36^{\prime \prime}, 40^{\prime \prime}$.

| Standard: 150 | Gradeo | Grade 1 | Grade2 |
| :---: | :---: | :---: | :---: |
| metric | GBLM-50 | GBLM-51 | GBLM-52 |
|  | GBLM-80 | GBLM-81 | GBLM-82 |
| INCH | GBLI-50 | GBLI-51 | GBLI-52 |
|  | GBLI-80 | GBL-81 | GBL-82 |
| Standard: GGG-G-15C | Grade2 | Grade 3 | Grade B |
| INCH | GBL-52 | GBL-53 | GBL-5B |

## 36 Piece Space Block Sets



NEW. Cylindrical Squares
Applications



## Angle Plates

With ample thickness and ribbed constructio
these angle plates offer a versatile means
these angle plates offer a versatile mea
of holding work for layout, machining and inspection and also are widely use as vertical reference.

| Model No. | Size | Model No. | Size |
| :---: | :---: | :---: | :---: |
| AP-222 | $2 \times 2 \times 2$ " |  |  |
|  |  |  |  |
| AP-444 | $4 \times 4 \times 4{ }^{\prime \prime}$ | AP-101010 | $10 \times$ |
| AP-555 | $5 \times 5 \times 5^{\prime \prime}$ | AP-121212 | $12 \times$ |

## Slotted Angle Plates

These slotted angle plates have convenient clamping slots for mounting and are widely used for machining, layout and inspection. Two types-webbed-end and open-end. precision-ground
Accurately machine square and paralle Accurately m Webbed-end
Webbed-end
Have side webs and are accurately Have outside faces and ends.

| Model No. |  | Length | FirstAngle | $\begin{aligned} & \text { Second } \\ & \text { Angle } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| Webbed.end | Open-end |  |  |  |
| AP. 322 | APO-322 | $3^{3 \prime}$ | 2-1/2" | ${ }^{2 \prime \prime}$ |
| AP-332 | APO-332 | 3-1/2" | $3^{\prime \prime}$ | 2-1/2"10 |
| AP-433 | APO-433 | 4.1/2" | 3-1/2" | ${ }^{3 \prime \prime}$ |
| AP-654 | APO-654 | ${ }^{6 \prime \prime}$ | $5^{\prime \prime}$ | $4.1 / 2^{\prime \prime}$ |
| AP-754 | APO-754 | ${ }^{7 \prime \prime}$ | 5-1/2" | ${ }_{\text {4-1/2" }}$ |
| $\underset{\text { AP- } 865}{ }$ | APO-865 APO-976 | ${ }_{9}^{8 \prime \prime}$ | ${ }_{7 \prime \prime}{ }^{\prime \prime}$ | ${ }_{6}{ }^{\prime \prime \prime}$ |
| AP-1086 | APO-1086 | $10^{\prime \prime}$ | $8^{\prime \prime}$ | $6^{\prime \prime}$ |
| AP-12988 | APO-1298 | ${ }^{12}$ | $9{ }^{\text {" }}$ | ${ }^{8 \prime}$ |
| AP-12108 | APO-12108 | ${ }^{12}{ }^{2 \prime}$ | ${ }^{10}$ | ${ }^{10}{ }^{\prime \prime}$ |
| ${ }_{\text {APP-141210 }}$ | ${ }_{\text {APPO-12121210 }}$ | ${ }_{114^{\prime \prime}}$ | $\stackrel{121}{12^{\prime \prime}}$ | ${ }_{10}{ }_{10}$ |

## T-Slotted Webbed Angle Plates

Provides an accurate vertical base
for mounting for mounting vises, sub-plates, parts Standard $5 / 88^{\prime \prime}$-slots on 6 "grid pattern are provided on both faces. Made from one piece, ,class 40 cast Iron that has been stress selieved.
Extra heavy $2-1 / 2^{"}$ wall thickness provides stability during milling operations.
Faces and edges machined flat,


| Model No. | Size (inch) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Wall Thickness |  |  |  |
| AW-181812 | A | B | C | 18 |
| AW-242412 | 24 | 12 | 12 | $2-1 / 2$ |
| $2-1 / 2$ |  |  |  |  |

## "Vee"Angles

The $V$-Angle is manufactured from high grade cast iron that is fully
stress relieved to give stability stress relieved to give stabily
throughout its working life. The V-Angle has many more The V-Angle has many more clam
positions than an ordinary angle.



[^0]:    aversized to allow for nominal lapping 0001-0003.

