JK INDUSTRIAL CORPORATION

MANUFACTURER OF MACHINE TOOL ACCESSORIES





Drill Drift



- Fully Hardened & Black Finish.
- Available in DIN Standard also.

ITEM NO.	DRIFT NO.	FITS NO. SOCKETS & SLEEVES
VBC-001	1	1
VBC-002	2	2
VBC-003	3	3
VBC-004	4	4 - 5 - 6

Drill Chuck Arbors (Taper Shank)



- Precision Ground to Master Gauges.
- Guaranty finest possible accuracy & fit.
- Individually packed.
- Available in Soft & Fully Hardened Type.

ITEM NO.	MORSE SHANK TAPER	JACOB BACK TAPER	ITEM NO.	MORSE SHANK TAPER	JACOB BACK TAPER			
VBC-005	0	0	VBC-025	2	33			
VBC-006	0	1	VBC-026	3	1			
VBC-007	0	2	VBC-027	3	2			
VBC-008	0	3	VBC-028	3	3			
VBC-009	0	6	VBC-029	3	4			
VBC-010	0	33	VBC-030	3	5			
VBC-011	1	0	VBC-031	3	6			
VBC-012	1	1	VBC-032	3	33			
VBC-013	1	2	VBC-033	4	2			
VBC-014	1	3	VBC-034	4	3			
VBC-015	1	4	VBC-035	4	4			
VBC-016	1	6	VBC-036	4	5			
VBC-017	1	33	VBC-037	4	6			
VBC-018	2	0	VBC-038	4	33			
VBC-019	2	1	VBC-039	5	2			
VBC-020	2	2	VBC-040	5	3			
VBC-021	2	3	VBC-041	5	4			
VBC-022	2	4	VBC-042	5	5			
VBC-023	2	5	VBC-043	5	6			
VBC-024	2	6						
	While Placing Order Please Mention Soft Type or Hardened Type							

Straight Shank Arbors



ITEM NO.	SHANK DIAMETER	SHANK LENGTH	JACOB TAPER	ITEM NO.	SHANK DIAMETER	SHANK LENGTH	JACOB TAPER
VBC-044	3/8"	2-1/2"	0	VBC-062	3/4"	3"	1
VBC-045	3/8"	2-1/2"	1	VBC-063	3/4"	3"	2
VBC-046	3/8"	2-1/2"	2	VBC-064	3/4"	3"	3
VBC-047	1/2"	2-1/2"	0	VBC-065	3/4"	3"	4
VBC-048	1/2"	2-1/2"	1	VBC-066	3/4"	3"	6
VBC-049	1/2"	2-1/2"	2	VBC-067	3/4"	3"	33
VBC-050	1/2"	2-1/2"	3	VBC-068	1"	3"	0
VBC-051	1/2"	2-1/2"	4	VBC-069	1"	3"	1
VBC-052	1/2"	2-1/2"	6	VBC-070	1"	3"	2
VBC-053	1/2"	2-1/2"	33	VBC-071	1"	3"	3
VBC-054	5/8"	2-1/2"	0	VBC-072	1"	3"	4
VBC-055	5/8"	2-1/2"	1	VBC-073	1"	3"	5
VBC-056	5/8"	2-1/2"	2	VBC-074	1"	3"	6
VBC-057	5/8"	2-1/2"	3	VBC-075	11"	3"	33
VBC-058	5/8"	2-1/2"	4	VBC-076	1-1/2"	4"	3
VBC-059	5/8"	2-1/2"	6	VBC-077	1-1/2"	4"	4
VBC-060	5/8"	2-1/2"	33	VBC-078	1-3/4"	4"	3
VBC-061	3/4"	3"	0	VBC-079	1-3/4"	4"	4

Threaded Arbors



SHANK SIZE	THREAD
Morse Taper No. 3	3/8 - 24
Morse Taper No. 3	1/2 - 20
Morse Taper No. 3	5/8 - 16
Morse Taper No. 2	3/8 - 24
Morse Taper No. 2	1/2 - 20
Morse Taper No. 2	5/8 - 16
Morse Taper No. 1	3/8 - 24
Morse Taper No. 1	1/2 - 20
1/2" Straight	1/2 - 20
1/2" Straight	3/8 - 24
	Morse Taper No. 3 Morse Taper No. 3 Morse Taper No. 2 Morse Taper No. 2 Morse Taper No. 2 Morse Taper No. 2 Morse Taper No. 1 Morse Taper No. 1 1/2" Straight

Threaded Shanks for Boring Heads



SHANK TYPE	ITEM NO. FOR	THREAD SIZE	
SHANKTIFE	7/8''-20	1-1/2"-18	
VBC-090	STS-0160	STS-0170	
VBC-091	STS-0161	STS-0171	
VBC-092	STS-0162	STS-0172	
VBC-093	STS-0163	STS-0173	
VBC-094	STS-0164	STS-0174	
VBC-095	STS-0165	STS-0175	
VBC-096	STS-0166	STS-0176	
VBC-097	_	STS-0177	
VBC-098	-	STS-0178	

Blank Arbors



ITEM NO.	SHANK TAPER
VBC-099	Morse Taper 1
VBC-100	Morse Taper 2
VBC-101	Morse Taper 3
VBC-102	Morse Taper 4

R-8 Drill Chuck Arbors



- Precision Ground to Master Gauges.
- Guaranteed finest possible accuracy & fit.
- Individually Packed

ITEM NO.	NO.	TO FIT DRILL CHUCK WITH FEMALE TAPER
VBC-103	R8-1	1
VBC-104	R8-2	2
VBC-105	R8-3	3
VBC-106	R8-4	4
VBC-107	R8-6	6
VBC-108	R8-33	33

R-8 Morse Taper Arbors



- Guaranteed Concentric.
- Hardened and Ground.

ITEM NO.	MALE TAPER	FEMALE TAPER
VBC-109	R8	Morse Taper No. 2
VBC-110	R8	Morse Taper No. 3

Drill Sleeves



Available in both Soft & Hard Type

SOFT	HARDENED	MORSE	MORSE
TYPE	TYPE	TAPER	TAPER
ITEM NO.	ITEM NO.	HOLE	OUTSIDE
VBC-111	VBC-111 H	1	2
VBC-112	VBC-112 H	1	3
VBC-113	VBC-113 H	1.	4
VBC-114	VBC-114 H	1	5
VBC-115	VBC-115 H	2	3
VBC-116	VBC-116 H	2	4
VBC-117	VBC-117 H	2	5
VBC-118	VBC-118 H	3	4
VBC-119	VBC-119 H	3	5
VBC-120	VBC-120 H	4	5
VBC-121	VBC-121 H	4	6
VBC-122	VBC-122 H	5	6

Extension Sockets

■ Hardened & Ground internally & externally

ITEM NO.	MORSE TA	PER NO.	OVERALL LENGTH
HEMINO.	OUTSIDE	INSIDE	MM
VBC-123	1	1	145
VBC-124	2	1	160
VBC-125	3	1	175
VBC-126	2	2	175
VBC-127	3	2	175
VBC-128	4	2	194
VBC-129	3	3	215
VBC-130	4	3	240
VBC-131	4	4	265

Live Center / Revolving Center (Triple Bearing)



- Consists of Three anti-friction Steel bearings. One needle roller bearing, one thrust ball bearing and one deep groove ball bearing.
- Well lubricated to protect against contaminants and coolants.
- Hardened and Ground (60-62 HRC) Steel with 60° tip angle.
- Run out within .0002" (.005 mm).
- Bearings are Pre- loaded and pressed to avoid starting loads.

	MORSE	PO	POINT		BODY		OVERALL	
ITEM NO.	ITEM NO. TAPER		DIAMETER		DIAMETER		LENGTH	
	IAPEK	INCH MM		INCH	MM	INCH	MM	
VBC-132	MT2	27/32	21	2	50	6	150	
VBC-133	Mt3	15/16	24	2-3/8	60	7-1/4	185	
VBC-134	Mt4	1-1/8	28	2-1/2	62	8-5/8	220	
VBC-135	MT5	1-1/2	36	3	75	10-1/4	260	
VBC-136	MT6	2-1/4	56	4	100	14	355	

Solid Sockets (Turret Sockets)

- Straight Shank with Morse Taper hole.
- Hardened & Ground.
- For holding MT shank tools in turrets & automatic lathes

ITEM NO	MORSE TAPER	IORSE TAPER SHANK DIAMETER SHANK		SHANK	LENGTH	
ITEM NO.	INSIDE HOLE	INCH	MM	INCH	MM	
VBC-137	MT 1	1	25	3-1/2	88	
VBC-138	MT 1	1-1/4	32	3-1/2	88	
VBC-139	MT 1	1-1/2	38	3-1/2	88	
VBC-140	MT 2	1	25	4	100	
VBC-141	MT 2	1-1/4	32	4	100	
VBC-142	MT 2	1-1/2	38	4	100	
VBC-143	MT 2	1-3/4	44	4	100	
VBC-144	MT 2	2	50	4	100	
VBC-145	MT 3	1-1/4	32	4-3/4	120	
VBC-146	MT 3	1-1/2	38	4-3/4	120	
VBC-147	MT 3	1-3/4	44	4-3/4	120	
VBC-148	MT 3	2	50	4-3/4	120	
VBC-149	MT 4	1-1/2	38	6	150	
VBC-150	MT 4	1-3/4	44	6	150	

Dead Center (Lathe Center)



Made of Carbon Steel, Hardened & Ground

PLAIN	CARBIDE TIPPED	МТ	TOTAL I	LENGTH
ITEM NO.	ITEM NO.	IVII	INCH	MM
VBC-151	VBC-151 T	0	2-7/8	73
VBC-152	VBC-152 T	1	3-5/16	84
VBC-153	VBC-153 T	2	4-3/16	105
VBC-154	VBC-154 T	3	5-1/4	130
VBC-155	VBC-155 T	4	6-3/4	170
VBC-156	VBC-156 T	5	8-1/2	215
VBC-157	VBC-157 T	6	11-3/4	295

Econo Live Centers



- Made of Hardened and Ground high Carbon Steel.
- Hardness on Tip 55 to 62 HRC.
- Consists of two 'anti-friction' Bearings.
- Single row deep groove Ball Bearing and Taper Roller Bearing to absorb combined radial and thrust loads.

ITEM NO.	MORSE	BOI DIAMI		POI DIAMI		OVER LENG	
TIEM NO.	TAPER	INCH	MM	INCH	MM	INCH	MM
VBC-158	MT 1	1-5/16	34	11/16	18	4-3/4	120
VBC-159	MT 2	2	50	27/32	21	5-7/8	148
VBC-160	MT 3	2-5/16	60	15/16	24	7-1/4	185
VBC-161	MT 4	2-1/2	63	1-1/8	28	8-5/8	220
VBC-162	MT 5	3	75	1-1/2	36	10-1/4	260
VBC-163	MT 6	4	100	2-1/8	53	14	355

Precision Live Center (Revolving Center)



- Hardened and ground with 60° point.
- Speed capacity up to 2500 RPM.
- One double row Ball Bearing , one Thrust Bearing and one Needle Roller Bearing.
- Run out within .0002" (.005 mm).

ITEM NO.	MORSE	BODY DIAMETER		POINT DIAMETER		LENGTH OF POINT	
	TAPER	INCH	MM	INCH	MM	INCH	MM
VBC-164	MT2	1-5/8	40	15/16	24	1-3/32	28
VBC-165	MT3	1-7/8	47	1-1/2	38	1-7/16	36
VBC-166	MT4	2-3/16	55	1-11/16	44	1-11/16	43
VBC-167	MT5	2-3/4	70	2-1/8	55	2	51

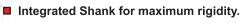
Precision Boring Head



- Machined from High Grade Steel with tool blocks Hardened and Ground.
- Ideal for mill or Jig bore operations.
- Non-Reflecting Satin Chrome Body allows easy reading and adjustment.
- Threaded back for interchangeable Shanks.
- Features .0005" graduation on dial for accurate hole sizing.

ITEM NO.	ITEM NO. WITH R8 SHANK	HEAD DIA.	THREAD SIZE	OVERALL LENGTH	MAX OFF SET	CENTER DISTANCE B/W HOLES	CROSS VERTICAL HOLE SIZE
VBC-168	VBC-168 S	2"	7/8" x 20	2-13/32"	5/8"	5/8"	1/2"
VBC-169	VBC-169 S	2"	1-1/2" x 18	2-13/32"	5/8"	5/8"	1/2"
VBC-170	VBC-170 S	3".	1-1/2" x 18	3-5/32"	1"	15/16"	3/4"
VBC-171	VBC-171 S	4"	1-1/2" x 18	3-3/4"	1-5/8"	1-1/4"	1"

Integrated R-8 Shank Boring Head

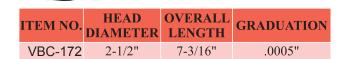


Hardened and Ground body.

■ Black oxidized finish.

Cross and Vertical Hole dia 1/2".

Offset travel 3/4".



Independent 4 Jaw Lathe Chuck (Dog Chuck)

- Independent 4 jaws lathe chuck have each jaw mounted on a thread spindle allowing independent adjustment.
- Hardened solid jaws.
- Sizes up to 32".
- Flat back.



ITEM NO.	SIZE				
HEMINO.	INCH	MM			
VBC-173	4	100			
VBC-174	6	160			
VBC-175	8	200			
VBC-176	10	250			
VBC-177	12	300			
VBC-178	14	350			
VBC-179	16	400			
VBC-180	20	500			
VBC-181	24	600			
VBC-182	30	750			

Self Centering Lathe Chuck (Three Jaws)

- Used for universal application.
- Scrolls are forged balanced and hardened.
- All supplied with two sets of solid jaws internal and external stepped.

ITEM NO.	CHUCK SIZE
VBC-183	80 MM
VBC-184	85 MM
VBC-185	100 MM
VBC-186	125 MM
VBC-187	160 MM
VBC-188	200 MM
VBC-189	250 MM
VBC-190	315 MM
VBC-191	400 MM



Lathe Chuck Keys



- Hardened and Tempered.
- Black Finish.
- Can also be supplied in Metric sizes.

ITEM NO.	SIZE OF SQUARE
VBC-192	15/64"
VBC-193	9/32"
VBC-194	15/32"
VBC-195	1/4"
VBC-196	5/16"
VBC-197	3/8"
VBC-198	7/16"
VBC-199	1/2"
VBC-200	9/16"
VBC-201	5/8"
VBC-202	11/16"
VBC-203	3/4"
VBC-204	1"

T Slot Cleaner



- Widely used product.
- **■** Every Machine and Machinist needs one.
- 5-1/8" (130 mm) long and 1-1/4" (32 mm) wide.
- Black Shiny Finish.

ITEM NO: VBC-205

Lathe Carriers



- Made of robust and rigid construction for maximum strength.
- Supplied in both straight and bent shapes.

STRAIGHT TAIL			BENT TAIL			
ITEM NO.	CAPA	CITY	ITEM NO.	CAPACITY		
HEMINO.	INCH	MM	HEMINO.	INCH	MM	
VBC-206	1/4	6	VBC-206 B	1/4	6	
VBC-207	3/8	10	VBC-207 B	3/8	10	
VBC-208	1/2	13	VBC-208 B	1/2	13	
VBC-209	3/4	20	VBC-209 B	3/4	20	
VBC-210	1	25	VBC-210 B	1	25	
VBC-211	1-1/4	32	VBC-211 B	1-1/4	32	
VBC-212	1-1/2	40	VBC-212 B	1-1/2	40	
VBC-213	1-3/4	45	VBC-213 B	1-3/4	45	
VBC-214	2	50	VBC-214 B	2	50	
VBC-215	2-1/4	55	VBC-215 B	2-1/4	55	
VBC-216	2-1/2	65	VBC-216 B	2-1/2	65	
VBC-217	2-3/4	70	VBC-217 B	2-3/4	70	
VBC-218	3	75	VBC-218 B	3	75	
VBC-219	3-1/4	80	VBC-219 B	3-1/4	80	
VBC-220	3-1/2	90	VBC-220 B	3-1/2	90	
VBC-221	4	100	VBC-221 B	4	100	
VBC-222	4-1/2	115	VBC-222 B	4-1/2	115	
VBC-223	5	125	VBC-223 B	5	125	
VBC-224	6	150	VBC-224 B	6	150	

Bench Block



- Can accommodate round and various other shapes on the V groove.
- Suitable for holding work when drilling.
- Hardened and ground.

ITEM NO.	BLOCK DIAMETER		BLOCK HEIGHT		BLOCK HOLES	
	INCH	MM	INCH	MM	INCH	MM
VBC-225	3	75	1-1/2	38	1/8 to 5/8	3 to 15

Machinist Jack - Light



Tap Guide - Spring Center



- Spring Centre is made of Precise ground Alloy Steel.
- Point hardened to 50-55 HRC. For execution the centre's body is to be gripped in a drill chuck or Collet while hardened point is inserted into the center of the tapping handle.
- The stroke of centre will follow the tap assuring straight and accurate hand tapped threads.
- One Universal size for all tapping application.

ITEM NO. VBC-227

Die Handles / Holders - M.S.



ITEM NO.	SUITABLE FOR DIE SIZE	LENGTH
HEMINO.	INCH	INCH
VBC-229	13/16	6-1/2
VBC-230	1	8-1/2
VBC-231	1-5/16	10
VBC-232	1-1/2	12
VBC-233	2	15
VBC-234	2-1/2	19
VBC-235	3	22
VBC-236	3-1/2	24
VBC-237	4	29

Tap Guide - Knurled Body



- Knurled for easy Handling.
- 1/2" Dia. Hardened Shank.
- 3/16" Dia. Hardened Tension Pin. Adjustable Tension Spring.
- Reversible Tension Pin for male and female hole centering of tap.
- With this tool you start every tap straight.
- Packed in an attractive Plastic Pouch.

ITEM NO. VBC-228

Die Handles / Holders - Zinc.



- Zinc De Casted body with screws for tightening the dies.
- Chrome plated handles.

ITEM NO.	SUITABLE FOR DIE SIZE	LENGTH
HEMINO.	MM	MM
VBC-238	20 x 5	200
VBC-239	20 x 7	200
VBC-240	25 x 9	224
VBC-241	30 x 11	280
VBC-242	38 x 14	315

Tap Handles - Mini



ITEM NO.	TAP CAPACITY				
HEMINO.	INCH	MM			
VBC-243	1/4	6			
VBC-244	1/2	12			

Adjustable Tap & Reamer Wrenches / Handles



- High quality tool for Hand Tapping operations.
- Hardened and Tempered Jaws.
- Smaller Sizes available in Zinc Die Cast.
- Larges Sizes above 3/4" available in Steel Casting only.

ITEM NO.	TAP CAPA	CITY	TOTAL LENGTH		
TIEM NO.	INCH	MM	INCH	MM	
VBC-245	1/16" to 1/4"	1.5 to 6	7"	175	
VBC-246	1/16" to 3/8"	1.5 to 10	9"	225	
VBC-247	5/32" to 1/2"	4 to 12	11"	275	
VBC-248	5/32" to 3/4"	4 to 18	15"	375	
VBC-249	1/4" to 1-1/8"	6 to 27	19"	475	
VBC-250	3/4" to 1-1/2"	18 to 35	40"	1000	
VBC-251	1" to 2-1/2"	25 to 60	54"	1350	

T Tap Wrenches / Handles (Solid Jaws)



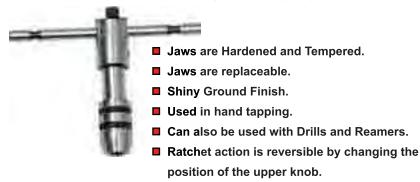
ITEM NO.	TAP CAPACITY			
HEMINO.	INCH	MM		
VBC-252	1/16" to 5/32"	1.5 to 4		
VBC-253	5/32" to 1/4"	4 to 6		
VBC-254	3/16" to 5/16"	5 to 8		
VBC-255	1/4" to 1/2"	6 to 12		

T Tap Wrenches / Handles (Replaceable Jaws)



ITEM NO.	TAP CAPACITY		
HEMINO.	INCH	MM	
VBC-256	1/16" to 5/32"	1.5 to 4	
VBC-257	5/32" to 1/4"	4 to 6	
VBC-258	1/4" to 1/2"	6 to 12	

T Tap Wrenches / Handles (Rachet Type)



ITEM NO	TAP CAPACITY			
ITEM NO.	INCH	MM		
VBC-259	1/16" to 5/32"	1.5 to 4		
VBC-260	5/32" to 1/4"	4 to 6		
VBC-261	1/4" to 1/2"	6 to 12		

Extra Long T Tap Wrenches (Replaceable Jaw)



- Hardened and Tempered Jaws.
- Available in 6" Long, 9" Long & 12" Long.
- Shiny Ground Finish.

REPLACEABLE JAW	SOLID JAW	TAP CAPACIT	
ITEM NO.	ITEM NO.	INCH	MM
VBC-265	SEL-0733	1/16 to 5/32	1.5 - 4
VBC-266	SEL-0734	5/32 - 1/4	4 - 6
VBC-267	SEL-0735	1/4 - 1/2	6 - 12

Piloted Spindle Tap Wrenches



ITEM NO.	TAP CAPACITY	SQUARE SIZE	
HEMINO.	INCH	MM	
VBC-262	1/16 - 1/4	3 - 5.0	
VBC-263	1/4" - 1/2"	5 - 7.0	
VBC-264	2 Pc Set consisting	of 1 each in a Box.	

Tap Extensions



- Eliminates need for expensive, hard to get extension taps.
- All steel construction with Knurled Grip Chuck .
- Attractive Finish.

ITEM NO.	LENGTH		TAP CAPACITY	
HEMINO.	INCH	MM	INCH	
VBC-268	7	180	No. 0 to 12	
VBC-269	10-3/4	275	No. 12 to 1/2	
VBC-270	2 Pc Set consisting of 1 each in a Box.			

Turning Tool Bit Holders - American Pattern



- Accurately Machined. Heat Treated & Hardened.
- Provided with one wrench. Supplied without Tool Bits.
- Available in ST (Straight), LT (Left) and RT (Right) hand shanks.

ITEM NO.	SIZE OF HOLDER	SIZE OF CUTTER		
VBC-271	5/16" x 3/4" x 4-1/2"	3/16"		
VBC-272	3/8" x 7/8" x 5"	1/4"		
VBC-273	1/2" x 1-1/8" x 6"	5/16"		
VBC-274	5/8" x 1-3/8" x 7"	3/8"		
VBC-275	3/4" x 1-5/8" x 8"	7/16"		
VBC-276	7/8" x 1-3/4" x 9"	1/2"		
VBC-277	1" x 2" x 11"	5/8"		
VBC-278	1-1/4" x 2-1/4" x 13"	3/4"		
While Placing Order Please Mention ST, LT or RT Hand Shanks				

Turning Tool Bit Holders - English Pattern



- Accurately Machined. Heat Treated & Hardened.
- Provided with one wrench. Supplied without Tool Bits.
- Available in ST (Straight), LT (Left) and RT (Right) hand shanks.

ITEM NO.	SIZE OF HOLDER	SIZE OF CUTTER		
VBC-279	7/16" x 9/16" x 4-1/2"	1/8"		
VBC-280	1/2" x 5/8" x 5"	3/16"		
VBC-281	5/8" x 3/4" x 6"	1/4"		
VBC-182	3/4" x 7/8" x 7"	5/16"		
VBC-283	7/8" x 10" x 8"	3/8"		
VBC-284	1" x 1-1/8" x 9"	7/16"		
VBC-285	1-1/8" x 1-1/4" x 10"	1/2"		
While Placing Order Please Mention ST, LT or RT Hand Shanks				

Turning Tool Holders - Adjustable



- Machined Tool Holders.
- Supplied without Tool Bits.

ITEM NO.	CAPACITY		OVERALL LENGTH		
HEMINO.	INCH	MM	INCH	MM	
VBC-286	3/16 to 1/4	4.76 to 6.35	5	125	
VBC-287	1/4 to 5/16	6.35 to 7.93	5-1/2	140	
VBC-288	5/16 to 3/8	7.93 to 9.32	6	150	
VBC-289	3/8 to 1/2	9.52 to 12.7	8	200	

Knurling Tool with Holders



- High Speed Steel Knurls.
- Six knurls Tool is provided with one pair each of fine medium and coarse knurls.
- Two knurls Tool is generally provided with medium knurls but other knurls can also be provided if required.
- Shiny Black Finish.

ITEM NO	SIZE OF HOLDERS	KNUR	KNURL DIMENSIONS		
HEM NO.	SIZE OF HOLDERS	DIA.	THICK	HOLES	KNURLS
VBC-290	5/16" x 3/4" x 5"	5/8"	5/16"	7/32"	2
VBC-291	3/8" x 7/8" x 5-1/2"	5/8"	5/16"	7/32"	2
VBC-292	1/2" x 1-1/8" x 6-1/2"	3/4"	3/8"	1/4"	2
VBC-293	5/8" x 1-3/8" x 7-1/2"	3/4"	3/8"	1/4"	2
VBC-294	5/16" x 3/4" x 5"	5/8"	5/16"	7/32"	6
VBC-295	3/8" x 7/8" x 5-1/2"	5/8"	5/16"	7/32"	6
VBC-296	1/2" x 1-1/8" x 6-1/2"	3/4"	3/8"	1/4"	6
VBC-297	5/8" x 1-3/8" x 7-1/2"	3/4"	3/8"	1/4"	6
VBC-298	1/2" x 1/2" x 4-1/2"	3/4"	3/8"	1/4"	2
VBC-299	Knurling Tool 1	Holder with	h Pivot He	ad Self Ad	just
VBC-300	1/2" x 1/2" x 4-1/2"	3/4"	1/4"	1/4"	1
VBC-301	3/4" x 3/4" x 5"	3/4"	3/8"	1/4"	1

Spare Knurls



- Made of High Speed Steel.
- Knurls are individually cut to obtain Sharp, perfectly formed teeth.
- Heat treated, Tempered and tested.
- Diamond Pattern Knurls are provided as a set of Right hand and Left hand Knurl.

DIAMOND PATTERN	STRAIGHT LINE PATTERN	KNURLS DIMENSIONS			
ITEM NO.	ITEM NO.	DIA.	FULL FACE WIDTH	HOLE DIS.	PITCH
VBC-302	VBC-302 S	5/8"	5/16"	7/32"	14
VBC-303	VBC-303 S	5/8"	5/16"	7/32"	21
VBC-304	VBC-304 S	5/8"	5/16"	7/32"	33
VBC-305	VBC-305 S	3/4"	3/8"	1/4"	14
VBC-306	VBC-306 S	3/4"	3/8"	1/4"	21
VBC-307	VBC-307 S	3/4"	3/8"	1/4"	33
VBC-308	VBC-308 S	1"	3/8"	5/16"	14
VBC-309	VBC-309 S	1"	3/8"	5/16"	21
VBC-310	VBC-310 S	1"	3/8"	5/16"	33

Parting Tool Holders



- One-piece construction with 100% clamping power.
- Can be used both on front and rear tool post of the cross line.
- Holds and guides the bevelled blade in a way that it ensures equal clearance on both sides.
- Supplied without blade.

ITEM NO.	BLADE SIZE	LENGTH	HEIGHT	WIDTH	DEPTH
VBC-313	1/2" x 3/32"	2-3/4"	13/16"	1/2"	1/2"
VBC-314	5/8" x 3/32"	2-3/4"	13/16"	1/2"	9/16"
VBC-315	3/4" x 1/8"	2-3/4"	13/16"	19/32"	11/16"

Parting Tool Holder - Clamp Type



- Firm and positive clamping force by screws on top of mounting plate
- Hardened Steel Construction.

ITEM NO.	SHANK	O.A.L.	THICK	BLADE CAPACITY
VBC-311	12 MM	55 MM	20 MM	for 1/2" or 12mm Blades
VBC-312	12 MM	55 MM	25 MM	for 3/4" or 19mm Blades

Cut-Off Holder / Parting Tool Holder



- Body is manufactured of Drop Forged Steel, Case Hardened Top & Bottom machined true with sides.
- Positive locking device ensures rapid and powerful clamping of the blade.
- Lock enables the blade to be changed, sharpened or moved without disturbing the tool holder.
- Supplied with wrench but without tool bit.
- Available in ST (Straight), RT (Right Hand) and LT (Left Hand).

S	TRAIGHT RIGHT HAND LEFT HAND		HOLDER	HOLDING SIZE			
	ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM	INCH	MM
	VBC-316	VBC-316 R	VBC-316 L	1/2 x 1-1/8 x 6	12.7 x 28 x 150	1/2 x 5/8	12 x 16
	VBC-317	VBC-317 R	VBC-317 L	5/8 x 1-3/8 x 7	16 x 35 x 175	3/4 x 7/8	19 x 22
	VBC-318	VBC-318 R	VBC-318 L	3/4 x 1-3/4 x 7-1/2	19 x 45 x 188	1 x 1-1/8	25 x 28

Indexible Carbide Turning Tool Holders



- Versatility of cutting in any direction.
- Built in Chip Breaker Groove. Ready to use.
- No. Grinding No Tool Resetting. Economical Alternative to Brazed Tool Tips.
- Supplied without Inserts.

ITEM NO.	SIZE OF SQ. SHANK	STYLE
VBC-319	3/8"	TE6
VBC-320	3/8"	TBL6
VBC-321	3/8"	TAL6
VBC-322	3/8"	TBR6
VBC-323	3/8"	TAR6
VBC-324	Set of Five Holders with	n 3/8" Shank
VBC-325	1/2"	TE8
VBC-326	1/2"	TBL8
VBC-327	1/2"	TAL8
VBC-328	1/2"	TBR8
VBC-329	1/2"	TAR8
VBC-330	Set of Five Holders with	n 1/2" Shank
VBC-331	5/8"	TE10
VBC-332	5/8"	TBL10
VBC-333	5/8"	TAL10
VBC-334	5/8"	TBR10
VBC-335	5/8"	TAR10
VBC-336	Set of Five Holders with	
VBC-337	3/4"	TE12
VBC-338	3/4"	TBL12
VBC-339	3/4"	TAL12
VBC-340	3/4"	TBR12
VBC-341	3/4"	TAR12
VBC-342	Set of Five Holders with	
VBC-343	1"	TE16
VBC-344	1"	TBL16
VBC-345	1"	TAL16
VBC-346	1"	TBR16
VBC-347	1"	TAR16
VBC-348	Set of Five Holders with	th I" Shank

Fly Tool Cutter Holder



- Counterbalanced to get smoother finishes.
- Made of Hardened Steel.
- Shiny Black Finish.

ITEM NO.	DIAM	ETER	HOLDING SIZE
HEMINO.	HEAD	SHANK	OF BIT
VBC-349	3/4"	1/2"	3/16"
VBC-350	1-1/8"	1/2"	1/4"
VBC-351	1-1/2"	1/2"	5/16"
VBC-352	1-1/2"	3/4"	5/16"
VBC-353	2"	3/4"	5/16"
VBC-354	2-1/2"	3/4"	5/16"

J & S Type Cutt off Holders







- Accurately Machined and Ground finish in Black Oxidised.
- Supplied with wrench but without tool bit.
- Available in ST (Straight), RT (Right Hand) and LT (Left Hand).

STRAIGHT	RIGHT HAND	LEFT HAND	HOLDER SIZE		HOLDING SIZE	
ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM	INCH	MM
VBC-355	VBC-355 R	VBC-355 L	5/16 x 3/4 x 4-1/2	8 x 19 x 114	3/32 x 1/2	2.4 x 12.7
VBC-356	VBC-356 R	VBC-356 L	3/8 x 7/8 x 5	9.5 x 22 x 125	3/32 x 5/8	2.4 x 16
VBC-357	VBC-357 R	VBC-357 L	1/2 x 1-1/8 x 6	12.7 x 28 x 150	1/8 x 3/4	3 x 19
VBC-358	VBC-358 R	VBC-358 L	5/8 x 1-3/8 x 7	16 x 35 x 175	1/8 x 7/8	3 x 22
VBC-359	VBC-359 R	VBC-359 L	3/4 x 1-5/8 x 8	19 x 41 x 200	3/16 x 1	5 x 25
VBC-360	VBC-360 R	VBC-360 L	7/8 x 1-3/4 x 9	22 x 45 x 225	3/16 x 1-1/8	5 x 28

R-8 Fly Cutter Holder



- Counterbalanced to get smoother finishes.
- Made of Hardened Steel.

ITEM NO.	HEAD DIA		SUITABLE FOR TOOL BIT SIZE		
	INCH	MM	INCH	MM	
VBC-361	2-1/2	63.5	5/16	8	

Saw Holder



- Offer flexibility in sawing operations.
- Spring load mechanism accepts Saw Blades with hole diameter 1/2" to 1".
- Blades are firmly secured in position with Hex Head Screw.

 1/2" Hardened Shank, 2-1/2" Overall Length.
- Holds all saws with 1/2", 3/4", 7/8" and 1" holes.

ITEM NO. VBC-363

R-8 Saw Holder



- Offers flexibility in Sawing Operation.
- Spring loaded mechanism accepts Saw Blades with Hole Diameter from 1/2" to 1".
- Blades are firmly secured in position with Hex Head Screw.

ITEM NO. VBC-362

Boring Bars with Holders



- Double Ended one piece boring bar have 90° & 45° square ends.
- They are supplied with Allen Key and Screw but without tool bits.
- Shiny Black Finish.

ITEM NO.	BAR SIZE		HOLDER	SIZE	SO DIT SIZE	
HEMINO.	DIA.	LENGTH	LENGTH	SQ.	SQ. BIT SIZE	
VBC-364	3/8"	4-1/2"	2-1/4"	1/2"	1/8"	
VBC-365	7/16"	5-1/4"	2-1/2"	1/2"	3/16"	
VBC-366	9/16"	6-3/4"	3"	5/8"	1/4"	
VBC-367	3/4"	9-1/4"	3-3/4"	7/8"	5/16"	
VBC-368	7/8"	11-1/2"	4-1/2"	1-1/4"	3/8"	
VBC-369	1-1/8"	12-3/4"	4-1/2"	1-3/8"	7/16"	
VBC-370	1-3/16"	13-3/4"	5"	1-5/8"	1/2"	

Die Holder - Shank Type



- Ideal for short or medium run threading of shafts.
- Can be used safely on Lathes Milling machines and tapping heads.
- Single piece construction.
- Shank length 2" (50 mm).
- Body length 1" (25.4 mm).

	ITEM NO.	DIE SIZE		SHANK		BODY DIA	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	
	VBC-371	13/16	20	1/2	12.7	1-1/2	38
	VBC-372	1	25	1/2	12.7	1-1/2	38
	VBC-373	1-1/2	38	3/4	19	2	50
	VBC-374	2PC Set consisting of 13/16" (20 mm) and 1" (25 mm)					nm)
	VBC-375	3PC Set co	3PC Set consisting of 13/16" (20 mm), 1" (25 mm) and 1-1/2" (38 mm				

Boring Bars - Double Ended



- Supplied In Combination Style of One End 45 degree & Other End 90 degree.
- Supplied without Tool Bits.

	D. I.	011777		
ITEM NO.	DIAMETER OF BAR	OVERALL LENGTH	SUITABLE TOOL BIT SIZE	
VBC-376	1/4"	5"	5/32" Round	
VBC-377	5/16"	5"	3/16" Round	
VBC-378	3/8"	6"	3/16" Round	
VBC-379	1/2"	6"	3/16" Square	
VBC-380	1/2"	9"	3/16" Square	
VBC-381	9/16"	6-3/4"	3/16" Square	
VBC-382	9/16"	6-3/4"	1/4" Square	
VBC-383	9/16"	9"	3/16" Square	
VBC-384	5/8"	10"	1/4" Square	
VBC-385	3/4"	8"	1/4" Square	
VBC-386	3/4"	12"	1/4" Square	
VBC-387	15/16"	9"	5/16" Square	
VBC-388	1"	12"	1/4" Square	
VBC-389	1"	12"	5/16" Square	
VBC-390	1"	12"	3/8" Square	
VBC-391	1-1/8"	14"	7/16" Square	
VBC-392	1-1/4"	16"	1/2" Square	
VBC-393	1-1/2"	18"	1/2" Square	
VBC-394	BORING BARS SETS		PACKING	
VBC-395	5 Pc Set of 1/4",3/8",1/2",5/8",3/4" & 1"		Fine Finished Polished Wooden Stand	
VBC-396	5 Pc Set of 3/8",1	/2",5/8",3/4" & 1"	Fine Finished Polished Wooden Stand	
VBC-397	4 Pc Set of 1/4",	5/16",3/8" & 1/2"	PVC Wallet	

Magnetic Base - Push Button



- Provided with ON/OFF Push Button.
- Specially designed to use with Dial Gauges, to work on surface plate and Machine Tables.
- Magnetic Pull on base and two sides.
- Magnetic Pull 25 kg (55 Lbs) approximately.

ITEM NO.	OVERALI	LENGTH	BASE DIMENSIONS		
HEMINO.	INCH	MM	INCH	MM	
VBC-398	9-1/4	235	1-7/8 x 1-3/4 x 2	48 x 45 x 50	

Magnetic Base - High Power



- With ON / OFF Switch.
- Horizontal or vertical positioning capability.
- V Grooved base for mounting on cylindrical parts.
- Magnetic pull approx. 50 60 Kg. (110-130 Lbs).

ITEM NO.	OVERALI	LENGTH	BASE DIMENSIONS		
HEMINO.	INCH	MM	INCH	MM	
VBC-399	9-1/2	240	2-1/2x1-7/8x2-1/8	63 x 48 x 55	
VBC-400 FINE ADJUSTMENT	9-1/2	240	2-1/2x1-7/8x2-1/8	63 x 48 x 55	

Mini Magnetic Stand



- Compact and universal permanent magnetic stand.
- High magnetic power for maximum rigidity.
- Includes disc on bottom for neutralizing magnet when not in use.

ITEM NO.	BASE	DIA.	TOTAL HEIGHT			
HEMINO.	INCH	MM	INCH	MM		
VBC-401	1-1/8	28	5	125		

Magnetic Chuck - Round



- High Powered Chucks.
- Solid Top and Bottom Plates assure retained accuracy.
- Full loading power over entire plates.
- Pole Divisions are arranged for holding Small, Thin and Large pieces.
- Available in Standard Poles & Straight.

ITEM NO	SI	ZE				
ITEM NO.	INCH	MM				
VBC-402	3	75				
VBC-403	4	100				
VBC-404	5	125				
VBC-405	6	150				
VBC-406	8	200				
VBC-407	9	225				
VBC-408	10	250				
VBC-409	12	300				
VBC-410	15	380				
VBC-411	16	405				
VBC-412	18	455				
VBC-413	20	505				
While Placing O	rder Please Mention Stand	dard Poles or Straight				

Magnetic Chuck - Rectangular



- **■** High Powered Chucks.
- Solid Top and Bottom Plates assure retained accuracy.
- Full loading power over entire plates.
- Has a positive hand release.
- Pole Divisions are arranged for holding Small, Thin and Large pieces.
- Available in Standard Poles & Straight

ITEM NO.	SIZE						
HEMINO.	INCH	MM					
VBC-414	4 x 7	100 x 175					
VBC-415	4 x 8	100 x 200					
VBC-416	5 x 10	125 x 250					
VBC-417	6 x 12	150 x 300					
VBC-418	6 x 14	150 x 355					
VBC-419	6 x 18	150 x 455					
VBC-420	8 x 12	200 x 300					
VBC-421	8 x 15	200 x 380					
VBC-422	8 x 18	200 x 455					
VBC-423	8 x 24	200 x 610					
VBC-424	8 x 20	200 x 505					
VBC-425	12 x 24	300 x 610					
While Placing Or	der Please Mention Stand	dard Poles or Straight					

Magnetic V - Block



- Ideal for holding Round or Irregular Shapes for Scribing.Grinding, Measuring and Machining.
- Powerful holding force.
- Fixed ON / OFF switch.

ITEM NO.	LENGTH		WID	TH	HEIGHT		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	
VBC-426	4	100	2-3/4	70	3-3/4	95	
VBC-427	4	100	3	75	3-3/4	95	
VBC-428	4	100	3	75	3-3/4	95	
VBC-429	3-3/16	80	2-3/8	60	3-3/4	95	
VBC-430	3-3/16	80	2-3/8	60	3-3/4	95	

Magnetic Adjustable Links



- Widely used for Holding and Welding.
- Can be set at any angle by adjustment and locking of wing nut.
- Each Block is 2" x 1" x 1". Overall Length 4-5/8" and Overall Width 2".

ITEM NO. VBC-432

Magnetic Quick Clamp



- Designed to enable fast and accurate holding of ferrous metals for Welding and Assembly.
- Size 4" x 2-5/8" (110 M.M. x 65 M.M.).
- Jobs 30°, 45°, 60°, 75°, 90°.

ITEM NO- VBC-431

Pot Magnet



- Has unlimited applications, such as Magnetic Fasteners, Holding Maps etc.
- Has taped hole of 1/4" (20 TPI).
- Comes with Plated Keepers.

ITEM NO.	DIAMI	ETER	HEIC	PULL	
HEMINO.	INCH	MM	INCH	MM	PULL
VBC-433	11/16	14	5/8	16	6 Lbs.
VBC-434	13/16	20	3/4	19	10 Lbs.
VBC-435	1-1/16	27	1	25	18 Lbs.
VBC-436	1-3/8	35	1-3/16	30	25 Lbs.

Single Point Diamond Dresser



- **■** High quality Diamonds.
- Available in Shank sizes 1/4", 3/8", 7/16", 1/2" and Overall Length 1-1/2" to 6".
- Ideal tool for dressing wheels for Surface Grinders, Universal Grinders, Cylindrical Grinders, Centreless Grinders etc.
- Carat Sizes 1/4, 1/3, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 3-1/2, 4 & 5.

ITEM NO..VBC-437

Diamond Dresser with Knurled Body



- **■** High quality diamonds.
- Available in up to 1/2" Shank Dia x up to 8" Overall Length.
- Carat Sizes 1/4, 1/3, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 3, 3-1/2, 4 & 5.

ITEM NO. VBC-438

Low-Boy Angle Dresser



- Designed for use on all Grinding Machines.
- Base Angle Plate is Heavy, Precision Ground, Square on all six sides to an accuracy of .0005".
- Side Block Pivots on Hardened Shoulder Screws.
- Includes Diamond Dresser 3/8" (9.5 mm) x 2" (50 mm) (1/4 Carat).

ITEM NO.	DESCRIPTION							
VBC-439	Complete, with Diamond Dresser							
VBC-440	Replacement Diamond Dresser only 3/8" (9.5 mm) x 2" (50 mm) (1/4 Carat)							

Wheel Dresser



ITEM NO.	DESCRIPTION
VBC-441	No. 0 for wheels up to 10" Dia. x 2"
VBC-442	No. 1 for wheels up to 15" Dia. x 3"
VBC-443	No. 2 for higher sizes wheels.
VBC-444	Spare cutter for No. 0 Dresser.
VBC-445	Spare cutter for No. 1 Dresser.
VBC-446	Spare cutter for No. 2 Dresser

JK Industrial Corporation

Dial Comparator Stand - Fine Adjustment



- Compact and Versatile Comparator Stand.
- Rugged Enamelled Cast Iron base.
- Rust Proof chrome plated Pillar at right angle to the base.
- Hardened and Precise ground Anvil.
- Provided with fine Adjustment Knob for Zero Setting.
- Suitable for all dial gauges including 3/8" and 5/16" dia stem.
- Base Dimension : 6" x 4" (150 x 100mm).
- Pillar diameter : 1" (25.4 mm).
- Supplied without Dial Gauge

ITEM NO. DESCRIPTION		ANVIL SIZE		THROAT DEPTH		MEASURING RANGE		FINE ADJUSTMENT	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBC-447	Round Serrated	2-3/8	60	3	75	5	125	1/8	3
VBC-448	Round Flat	2-3/8	60	3	75	5	125	1/8	3
VBC-449	Square Flat	2-3/8	60	3	75	5	125	1/8	3
VBC-450	Square Serrated	2-3/8	60	3	75	5	125	1/8	3
VBC-451	Round Serrated	2-3/8	60	3	75	11	280	1/8	3
VBC-452	Round Flat	2-3/8	60	3	75	11	280	1/8	3
VBC-453	Square Flat	2-3/8	60	3	75	11	280	1/8	3
VBC-454	Square Serrated	2-3/8	60	3	75	11	280	1/8	3

Adjustable Steel Squares



- Especially used to check squareness in places where conventional squares cannot be used.
- Working faces are hardened and ground.
- Supplied with two blades, one with square ends, the other with a 45 degree on one end and 30 degree on the other end and a 100mm
- Easy to operate knurled lock nut for setting the stock in any position.

ITEM NO.	BLADE LENGTH						
HEMINO.	INCH	MM					
VBC-467	4	100					
VBC-468	6	150					

Engineer's Precision Tools

Precision Steel Squares



- Made of Finest quality ground steel with heavy thick stock.
- Blade is hardened and Ground for straightness and Parallelism.
- Squares are accurate both inside and outside.
- Sizes 18" (450mm) & above are supplied in finished wooden box.
- Effective Blade length measured from inner edge of the beam to end of the blade and is approximately 1/4" (6mm) more than sizes shown.

ITEM NO.	EFFEC BLADE I	1	STOCK LENGTH			
	INCH	MM	INCH	MM		
VBC-455	1	25	1-1/2	38		
VBC-456	2	50	2	50		
VBC-457	3	75	2-1/2	63		
VBC-458	4	100	3	75		
VBC-459	5	125	3-1/2	89		
VBC-460	6	150	4	100		
VBC-461	8	200	5	125		
VBC-462	9	225	6	150		
VBC-463	10	250	6	150		
VBC-464	12	300	8	200		
VBC-465	18	450	10	250		
VBC-466	24	600	13	330		
	While	Placing Or	der			

Please Mention 'A' Grade or 'Workshop' Grade

JK Industrial Corporation

Engineer's Precision Tools

Adjustable Bevel



■ Blade is blackened.

■ For use on inside or outside corners for perfect layout.

ITEM NO.	RANGE						
HEMINO.	INCH	MM					
VBC-469	3-3/4	95					
VBC-470	7-3/4	190					
VBC-471	9-3/16	230					
VBC-472	10	250					
VBC-473	10-3/4	270					

Steel Parallels - Sets in Pairs



- Made from fine quality tool steel, hardened and ground.
- Packed in attractive wooden case.
- Material EN-31.
- Hardness 55 degree to 56 degree.
- Accuracy 5 8 Micron (upto .008mm)

ITEM NO.	LENGTH	THICKNESS								
HEMINO.	MM	MM	1st	2nd	3rd	4th	5th	6th	7th	EACH SET
VBC-476	120	8	10	15	20	25	30	35	40	7 pairs
VBC-477	160	8	10	15	20	25	30	35	40	7 pairs
VBC-478	200	8	15	20	25	30	35	40	45	7 pairs
VBC-479	120	4	10	15	20	25	30	35		6 pairs
VBC-480	160	4	10	15	20	25	30	35	40	7 pairs

Sine Bar Economy



- Made of Hardened Steel.
- Precision Ground on all sides.
- Moderately priced.

ITEM NO.	WIDTH	DISTANCE BETWEEN ROLLS
VBC-474	1"	2-1/2"
VBC-475	1"	5"

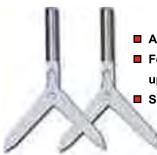
Steel Parallels - Pairs



ITEM NO.	LENGTH MM	THICKNESS MM	WIDTH MM				
VBC-481	150	6	12				
VBC-482	150	6	19				
VBC-483	150	12	25				
VBC-484	100	5	10				
VBC-485	125	20	10				
VBC-486	150	30	15				
VBC-487	200	40	19				
VBC-488	250	50	25				
VBC-489	A set of 3 pairs contains one pair each of VBC-481 TO VBC-483						

Engineer's Precision Tools

Round Bar Center Finder



- Accurately and quickly locates center on round workpiece.
- For execution place the tool in drill chuck or collet and line up pointer with line scribed on shaft.
- Supplied with instructions.

ITEM NO.	SHAN	K DIA.	OVERALI	LENGTH
HEMINO.	INCH MM		INCH	MM
VBC-490	3/8	9.5	4-1/8	105

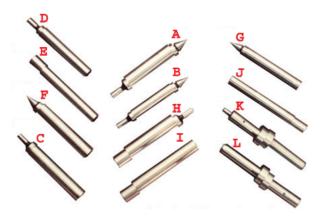
Center Square



- Made from Quality Tool Steel.
- Blade Hardened & Tempered.
- Designed for fast and accurate location of the centre of the face of a round bar or disc within the sizes mentioned.
- A useful square for machinist's and tool makers.

ITEM NO.	WORK DI	WORK DIAMETER					
HEMINO.	INCH	MM					
VBC-491	1-1/2	38					
VBC-492	3	75					

Edge & Center Finder



- Hardened all over and ground on all working surfaces.
- Edge finder works well on round or straight surfaces.
- The centre finder will pick up cross lines to machine drill or bore holes to a layout.

ITEM NO.	TIP DIA MM	SHANK DIA MM	ТҮРЕ
VBC-493	5	12	Combination Edge and Centre Finder
VBC-494	5	9	Combination Edge and Centre Finder
VBC-495	5	12	Edge finder
VBC-496	_	9	Edge finder
VBC-497	10	_	Edge Finder-Metric
VBC-498	-	12	Centre finder
VBC-499	-	9	Centre Finder
VBC-500	5	12	Double Edge Finder
VBC-501	12	12	Plain Edge Finder
VBC-502	-	9	Stepped Shank Edge Finder
VBC-503	4	10	Edge finder-Metric
VBC-504	10	-	Edge finder-Metric

JK Industrial Corporation

Engineer's Precision Tools

Wigler & Center Finder Set



- These sets are fast effective way of locating the Working centre on lathes, bench drills and milling machines.
- Hardened steel points and contacts ensure accurate location.
- The four attachments snap fit into the chuck without removing the collet nut and reducing down time.
- 5 pieces set imperial (Chuck with 4 arms).
- Comes in attractive plastic pouch.

ITEM NO. VBC-505

Precision V-Block & Clamp Set (Multi Use)



- Multi-Use : Holds both Square and Round Work.
- Stepped Groove Construction permits both Low and High Clamping.
- Side Hole-Provided in each block to facilitate clamping.
- Made of Hardened Tool Steel, Machined and Ground in Pairs.
- All Sides Precision Ground Parallel and Square to an accuracy of 0.0003".
- Set Consists of Two V-Blocks and Two Clamps.
- Capacity: 2" (50 mm) Round and 1-7/16" (36.5 mm) Square.

ITEM	INO	LENC	J L L L	WID		HEIGHT		
TIEN	INU.	INCH	MM	INCH	MM	INCH	MM	
VBC	C-514	2-3/8	60	2-3/4	70	2	50	

Machinist V-Block Set (Tool Maker)

- Moderately priced.
- Designed for Machine Shop.
 - Set Consists of Two V-Blocks and Two Clamps.



ITEM NO.	LENG	GTH	WID	TH	HEIGHT		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	
VBC-506	1-5/8	40	1-1/4	32	1-1/4	32	
VBC-507	1-3/4	45	1-5/8	40	1-7/16	36	
VBC-508	2	50	1-1/2	37	1-1/2	37	
VBC-509	2-3/8	60	1-5/8	40	2	50	
VBC-510	2-3/4	70	1-3/4	45	1-5/8	40	
VBC-511	3	75	2-3/16	55	2-3/16	55	
VBC-512	3-3/16	80	2-5/8	65	2-5/8	65	
VBC-513	4	100	3	75	3	75	

Precision V-Block & Clamp (Ultimate) All Angles

- Ultimate V-Block for Grinding, Milling or Drilling work.
- Made of hardened and Precision ground tool steel.
- The sides are parallel and vee is central and ground.
- Central Hole is provided for Drilling or removing Pins.
- Clamp is smaller than outside width of the V-Block and has adjustable side screw for support.
- V-Block has four 3-8/16 tapped holes two in the base and one on each side for angle Iron clamping.
- Block is provided with black oxidized clamp.
- Holding Capacity 1-5/16" (33 MM).

CLAMP SINGLE	CLAMP PAIR	LENG	LENGTH		TH	HEIC	GHT
ITEM NO.	ITEM NO.	INCH	MM	INCH	MM	INCH	MM
VBC-515		3-5/8	92	1-7/8	48	1-7/8	48

Casted V-Blocks



- Supplied in Machined and Numbered pairs.
- Made of High Quality Seasoned Castings.
- Blocks are accurately Ground Square and Parallel.

ITEM NO	LENC	STH	HEIG	HEIGHT		THICKNESS OF EACH BLOCK		WIDTH OF VEE	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	
VBC-516	2	50	1-1/4	32	1	25	1	25	
VBC-517	3	75	2-3/8	60	1-1/4	32	1-3/4	45	
VBC-518	4	100	2-5/8	65	1-5/8	40	2	50	
VBC-519	5	125	3-1/8	80	2	50	2	50	
VBC-520	6	150	3-1/2	90	2-1/2	63	3-1/4	82	
VBC-521	7	175	4-1/2	115	3	75	3-1/2	90	
VBC-522	8	200	5-1/2	140	4	100	4	100	
VBC-523	10	250	6-5/8	168	5	125	5	125	
VBC-524	12	300	8	200	7	180	6-1/2	165	

Magnetic V-Blocks (with Wooden Box)



- All working surfaces are precision ground.
- Ideal for holding, inspection and light Machining.
- Accuracy of Vee is within 0.0003" (0.007 mm).
- A powerful, permanent magnet is controlled by Rotary ON/OFF Switch.
- Supplied in fine finished wooden Box.

ITEM NO.	LENG		WID	TH	HEIG	HT	BIG	\mathbf{V}	SMAI	LV
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBC-525	2-3/4	70	2-1/8	54	2-7/8	73	1-1/2	38	3/4	19
VBC-526	4	100	2-3/4	70	3-3/4	95	2	50	3/4	19
VBC-527	4	100	2-3/4	70	3-3/4	95	2	50	3/4	19
VBC-528	6	150	3	75	3-3/4	95	2-1/4	55	1	25

V-Blocks Quadruple



- Made from seasoned closed grained cast Iron.
- Universal V-Block consisting of Four different size grooves.
- Supplied in Pairs.

ITEM NO.	LENG	GTH	HEIC	HEIGHT		NESS	WIDTH OF VEE		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM	
VBC-529	3-3/4	95	2-3/4	70	1-3/8	35	3/4x1-3/16x 1-9/16 x 2	20x30x 40x50	
VBC-530	4	100	4	100	1-3/16	30	3/4x1-3/16x 1-9/16x2	20x30x 40x50	
VBC-531	4-3/4	120	4-3/4	120	1-3/8	35	1-3/16x1-9/16x 2x2-3/8	30x40x 50x60	
VBC-532	4-3/4	120	4-3/4	120	2-3/8	60	1-3/16x1-9/16 x2x2-3/8	30x40x 50x60	
VBC-533	6	150	6	150	3	75	1-9/16x2x2-3/8x 2-3/4	40x50x 60x70	
VBC-534	8	200	8	200	4	100	2-3/8x2-3/4x 3-5/32x4	60x70x80x100	

Micrometer Economy



- Available in Metric and Inch sizes.
- Best for hobbyists and for general use.
- Very handy tool for measuring.

ITEM NO.	RANGE
VBC-535	0-1"
VBC-536	0-25 m.m.

JK Industrial Corporation

Engineer's Precision Tools

Micrometer Stand



- An indispensable clamping device for precise and stand measurements.
- Most useful to speed up production and quality inspection.
- Provides desireable measuring position and angle for measurement.
- Allows clamping and positioning of the micrometer with a single clamp.

ITEM NO. VBC-537

Brass Vernier



- Stepped Jaw Construction for inside and outside measurement.
- Graduated in metric and Inch sizes.
- Made of Brass.

ITEM NO.	MEASURING RANGE		
HEMINO.	INCH	MM	
VBC-538	0 - 3	0 - 75	
VBC-539	0 - 4	0 - 100	

Vernier Calliper (5" x 6")



- Handy tool for Inside, Outside and depth measurement.
- Columbus Type features Thumb controlled movement with locking device.
- Graduated in both Inch and MM size.

ITEM NO	RANGE		DESCRIPTION	
ITEM NO.	INCH	MM	DESCRIPTION	
VBC-540	0-5	0-125	Columbus Type	
VBC-541	0-6	0-150	Columbus Type	

Steel Rules



- Made from Stainless Steel.
- Etched Fine Black Graduations.
- Rules for every one.

ITEM NO.	TYPE	GRADUATION
VBC-542	6" Pocket Rule	In inches 32nd 64ths
VBC-543	6" Pocket Rule	In inches and m.m.
VBC-544	6" Rule	In inches and m.m.
VBC-545	12" Rule	In inches and m.m.
VBC-546	24" Rule	In inches and m.m.
VBC-547	36" Rule	In inches and m.m.

Spring Calliper & Divider



- All Dividers and Calipers are made of high grade polished steel.
- Legs are well finished and balanced.
- Spring is hardened and tempered.
- Solid Nut and washer permits fast and positive adjustment.
- Heat treated points to give accurate measurement.

DIVIDER	INSIDE CALLIPER	OUTSIDE CALLIPER	NORMAL SIZE	
ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM
VBC-548	VBC-558	VBC-568	3	75
VBC-549	VBC-559	VBC-569	4	100
VBC-550	VBC-560	VBC-570	6	150
VBC-551	VBC-561	VBC-571	8	200
VBC-552	VBC-562	VBC-572	10	250
VBC-553	VBC-563	VBC-573	12	300
VBC-554	VBC-564	VBC-574	18	450
VBC-555	VBC-565	VBC-575	24	600
VBC-556	VBC-566	VBC-576	36	900
VBC-557	VBC-567	VBC-577	3PC Set of 4" (100 mm), 6" (150 mm) & 8" (200 mm)	

Firm Joint Jenny Calliper (Hermaphrodite Calliper)



- Used in layout works for locating and testing centers.
- Properly shaped and finished legs.

ITEM NO.	O. SIZE INCH MM	
HEMINO.		
VBC-587	4	100
VBC-588	6	150
VBC-589	8	200

Square Leg Callipers (Quick Release Callipers)



DIVIDER	INSIDE CALLIPER	OUTSIDE CALLIPER	SIZ	ZE
ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM
VBC-578	VBC-581	VBC-584	6	150
VBC-579	VBC-582	VBC-585	8	200
VBC-580	VBC-583	VBC-586	10	250

Spring Callipers & Dividers - Premium Quality



■ Used for checking dimensions with rule, vernier or micrometer and transferring measurements carbon steel legs with ground tips hardened to 35 HRS Chrome Plated Fittings and Black finish.

DIVIDER	INSIDE CALLIPER	OUTSIDE CALLIPER	SIZ	ZE
ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM
VBC-590	VBC-595	VBC-600	4	100
VBC-591	VBC-596	VBC-601	6	150
VBC-592	VBC-597	VBC-602	8	200
VBC-593	VBC-598	VBC-603	10	250
VBC-594	VBC-599	VBC-604	12	300

Firm Joint Calliper & Divider



- Legs machined to rigid and balance.
- Polish finish.

DIVIDER	INSIDE CALLIPER	OUTSIDE CALLIPER	SIZ	ZE
ITEM NO.	ITEM NO.	ITEM NO.	INCH	MM
VBC-605	VBC-609	VBC-613	6	150
VBC-606	VBC-610	VBC-614	8	200
VBC-607	VBC-611	VBC-615	10	250
VBC-608	VBC-612	VBC-616	12	300

Pencil Compasses / Holders



- Constructed from good quality forged steel.
- Thick Square Legs & polished finish.
- Very useful instrument for tool room & students.
- Hardened tip give accurate results.
- Also available with brass holder on request.

WITH TWO POINTS	WITH ONE POINT	SIZE	
ITEM NO.	ITEM NO.	INCH	MM
VBC-629	VBC-634	4	100
VBC-630	VBC-635	6	150
VBC-631	VBC-636	8	200
VBC-632	VBC-637	10	250
VBC-633	VBC-638	12	300

Wing Compass



- High quality thick Dividers.
- Square legs for balance and grip.
- Hardened and Ground Points.
- Manufactured with Rivet or Screw Hinge.

RIVET JOINT	SCREW HINGE	NORMAL SIZE	
ITEM NO.	ITEM NO.	INCH	MM
VBC-623	VBC-617	6	150
VBC-624	VBC-618	8	200
VBC-625	VBC-619	10	250
VBC-626	VBC-620	12	300
VBC-627	VBC-621	16	400
VBC-628	VBC-622	20	500

Flat Leg Pencil Holder

- Made from high grade polished steel.
- Spring is hardened and tempered.
- Heat treated points to give accurate measurement.
- Ideal tool for laying out the distance between two points and marking areas and circles.



ITEM NO.	NORMAL SIZE		
HEMINO.	INCH	MM	
VBC-639	6	150	
VBC-640	8	200	
VBC-641	10	250	
VBC-642	12	300	
VBC-643	18	450	
VBC-644	24	600	
VBC-644	24	600	

Wood Working Callipers - Riveted Type



■ Polish Finish Center Riveted Type

ITEM NO.	DETAILS	SIZE	
TIEWINO.	DETAILS	INCH	MM
VBC-645	Inside & Outside	6	150
VBC-646	Inside & Outside	10	250
VBC-647	Inside & Outside	12	300

Wood Working Callipers



ITEM NO.	DESCRIPTION	SI	ZE
HEMINO.	DESCRIPTION	INCH	MM
VBC-654	Double Ended Outside	7	175
VBC-655	Inside & Outside	9	225
VBC-656	Inside & Outside	7	175
VBC-657	Inside & Outside	4	100
VBC-658	Double Ended Outside	6	150
VBC-659	Double Ended Outside	6	150

Wood Working Callipers - With Brass Wing Nut



With Brass Wing Nut in Center or Adjustment Calliper and Block Finest

ITEM NO.	DETAILS	SIZE		
HEMINO.	DETAILS	INCH	MM	
VBC-648	Double Ended	4	100	
VBC-649	Inside & Outside	6	150	
VBC-650	Double Ended	7	175	
VBC-651	Inside & Outside	8	200	
VBC-652	Inside & Outside	9	225	
VBC-653	Double Ended	7	175	

Scribers



ITEM NO.	TOTAL LENGTH		SPECIFICATIONS	APPLICATION	
HEMINO.	INCH	MM	SPECIFICATIONS	AFFLICATION	
VBC-660	4	100	Pointed at one end & knife edge at opposite end	Marking & scorring	
VBC-661 VBC-662	6-3/4	170	Knurled body, pointed at one end and knife edge at opposite end	Marking & scorring	
VBC-663	10	250	Pointed at one end & knife edge at opposite end	Marking & scorring	
VBC-664	4-1/2	114	Single ended light duty scriber with knurled body	General Marking Jobs	
VBC-665	7	175	Single ended scriber with knurled body	General marking jobs	
VBC-666	7-1/2	190	Single ended heavy duty	Marking & scorring	
VBC-667	6	150	Scriber with 12 interchangeable Alloy Steel Pins	Marking & scorring	
VBC-668	4	105	Scribers with hardened steel reversible point	Light marking in confined spaces	
VBC-669	7-1/2	190	Double ended scriber with knurled body	Marking & scorring	
VBC-670 VBC-671	9	230	Double ended heavy duty scriber with knurled body	Heavy marking jobs in confined spaces, grooves etc.	

Machinist Scrapers



		SI	ZE
ITEM NO.	STYLES	INCH	MM
VBC-672	Triangular	4	100
VBC-673	Flat	4	100
VBC-674	Half Round	4	100
VBC-675	Triangular	6	150
VBC-676	Flat	6	150
VBC-677	Half Round	6	150
VBC-678	Triangular	8	200
VBC-679	Flat	8	200
VBC-680	Half Round	8	200
VBC-681	Triangular	10	250
VBC-682	Flat	10	250
VBC-683	Half Round	10	250

Slotted Angle Plates



- Made of high Quality Seasoned Castings.
- Precision ground sides & ends.
- Available both in open End and Webbed End Styles.

WEBBED END	OPEN END	LENG	GTH	WID (FIRST A			GHT O ANGLE)
ITEM NO.	ITEM NO.	INCH	MM	INCH	MM	INCH	MM
VBC-684	_	3	75	2-1/2	63	2	50
VBC-685	-	3-1/2	90	3	75	2-1/2	63
VBC-687	SSA-1573	4-1/2	115	3-1/2	90	3	75
VBC-688	SSA-1574	6	150	5	125	4-1/2	115
VBC-689	SSA-1575	7	175	5-1/2	140	4-1/2	115
VBC-690	SSA-1576	8	200	6	150	5	125
VBC-691	SSA-1577	9	225	7	175	6	150
VBC-692	SSA-1578	10	250	8	200	6	150
VBC-693	SSA-1579	12	300	9	225	8	200

Triangular Scrapers



- Very popular small tool. Useful for scraping, trimming and deburring metals, tubing and other material.
- Hardened and Tempered Triple edge Blade is secured in wooden handle with steel ferrule.
- Available with Solid Cutting Edge as well as Hollow Ground Cutting Edges.

ITEM NO.	DESCRIPTION
VBC-694	Hollow Ground Cutting Edges
VBC-695	Solid Cutting Edges

Stepped Angle Plates



- Made from EN-31 Steel.
- Hardened and ground.
- Tapped holes for clamping jobs in any position.
- Stepped construction.
- Flatness and squareness to within 0.002" per 6".

ITEM NO.	SIZE		
HEMINO.	INCH	MM	
VBC-696	3 x 3 x 3	75 x 75 x 75	
VBC-697	4 x 4 x 4	100 x 100 x 100	

Solid Angle Plates



- Made from High quality Casting.
- Castings are properly seasoned to avoid distortion.
- Precision ground sides and Ends.
- Flatness and Squareness within .002" Per 6" for Machined finish and .001" per 6" for Ground finish.

MACHINED FINISH	PRECISION GROUND FINISH	NO. OF	SIZE	
ITEM NO.	ITEM NO.	RIBS	INCH	MM
VBC-698	VBC-707	0	1x 1 x 1	25 x 25 x 25
VBC-699	VBC-708	1	2 x 2 x 2	50 x 50 x 50
VBC-700	VBC-709	1	3 x 3 x 3	75 x 75 x 75
VBC-701	VBC-710	1	4 x 4 x 4	100 x 100 x 100
VBC-702	VBC-711	1	5 x 5 x 5	125 x 125 x 125
VBC-703	VBC-712	1	6 x 6 x 6	150 x 150 x 150
VBC-704	VBC-713	2	8 x 8 x 8	200 x 200 x 200
VBC-705	VBC-714	2	10 x 10 x 10	250 x 250 x 250
VBC-706	VBC-715	2	12 x 12 x 12	300 x 300 x 300

Right Angle Plates



- Used for fixture component and checking Squareness and Parallelism.
- Side ends and faces are finished Square and Parallel within .002" per 6".

ITEM NO.	DIMENSIONS (LENGTH x WIDTH x HEIGHT				
HEMINO.	INCH	MM			
VBC-716	3-3/4 x 4 x 5	95 x 100 x 125			
VBC-717	4 x 4 x 6	100 x 100 x 150			
VBC-718	4-1/2 x 5 x 6	114 x 125 x 150			
VBC-719	4-1/2 x 5 x 8	114 x 125 x 200			
VBC-720	5 x 8 x 12	125 x 200 x 300			
VBC-721	5-1/2 x 7 x 10	139 x 175 x 250			
VBC-722	5-1/2 x 8 x 10	139 x 200 x 250			
VBC-723	6 x 6 x 8	150 x 150 x 200			
VBC-724	8 x 10 x 12	200 x 250 x 300			
VBC-725	8 x 9 x 16	200 x 225 x 400			
VBC-726	12 x 12 x 24	300 x 300 x 600			

Surface Plates

A. Cast Iron

Made from High Quality close grained cast iron, stress relieved against distortion. Precisely finished by planing and hand scraping.

B. Granite



	CAST IRO	N	GRANITE		
ITEM NO.	INCH	MM	ITEM NO.	INCH	MM
VBC-729	12" x 12"	300 x 300	VBC-737	12" x 12"	300 x 300
VBC-730	16" x 16"	400 x 400	VBC-738	16" x 16"	400 x 400
VBC-731	16" x 24"	400 x 630	VBC-739	16" x 24"	400 x 630
VBC-732	24" x 24"	630 x 630	VBC-740	24" x 24"	630 x 630
VBC-733	24" x 40"	630 x 1000	VBC-741	24" x 40"	630 x 1000
VBC-734	40" x 40"	1000 x 1000	VBC-742	40" x 40"	1000 x 1000
VBC-735	40" x 64"	1000 x 1600	VBC-743	40" x 64"	1000 x 1600
VBC-736	40" x 80"	1000 x 2000	VBC-744	40" x 80"	1000 x 2000

Screw Pitch Gauges



- Very handy Tool for gauging threads.
- Made of high quality Tool Steel.
- Available for American National, Metric and English Threads.

ITEM NO.	RANGE	THREADS
VBC-745	4 - 42	American
VBC-746	4 - 84	American
VBC-747	4 - 42 & 0.4 - 7.0	Combination
VBC-748	0.25 - 2.5 mm	Metric 60°
VBC-749	Metric and Inch	Metric 60° Whit worth 55°

Feeler Gauges (Thickness Gauges)



- Made from Excellent Quality tempered steel.
- Available in approximately 3-1/2" and 4" long.

ITEM NO.	NO. OF	RANGE	RANGE		
HEMINO.	LEAVES	(INCH)	(MM)		
VBC-750	9	.0015" to .015"	0.5 to 1.00		
VBC-751	13		0.5 to 0.60		
VBC-752	26	.0015" to .025"	0.5 to 1.00		
While Placing Order Please Mention Length of Leaf					

Radius Gauges - Locking Type



- Handy device for checking radii of tools and dies easier and faster.
- Gauge features leaves for measuring both concave and convex radii.
- Each leaf is clearly stamped with the radius size.
- SRG-1717 Features Blades locked with 2 Screw (Not illustrated).

ITEM NO.	RANGE	NO. OF LEAVES
VBC-753	1/32 to 1/4 by 1/64"	30
VBC-754	17/64 to 1/2 by 1/64"	32
VBC-755	1 to 7 mm	34
VBC-756	7.5 to 15 mm	32
VBC-757	15.5 to 25 mm	30
VBC-758	0.75 to 5 by 0.25 mm	18
VBC-759	5.5 to 13 by 0.5 mm	16

Radius Gauges - Ring Type



- Handy device for checking radii of tools and dies easier and faster.
- Gauge features leaves for measuring both concave and convex radii.
- Each leaf is clearly stamped with the radius size.

ITEM NO.	RANGE	NO. OF LEAVES
VBC-760	1/32 to 17/64 by 1/64"	16
VBC-761	9/32 to 33/64 by 1/64"	16
VBC-762	0.75 to 5 by 0.25 mm	18
VBC-763	5.5 to 13 by 0.5 mm	16





- Steel Rule with Hardened and Ground Steel Base.
- Spring tension Nut for easy depth measurement.
- Graduated in Inches and M.M.

ITEM NO.	DESCRIPTION
VBC-764	With 6" Steel Rule
VBC-765	With 12" Steel Rule

Dial Bore Gauge



- Packed in wooden case.
- Available without dial and with dial.

ITEM NO.	SIZE IN MM	
VBC-769	18 - 35	
VBC-770	35 - 60	
VBC-771	60 - 160	
While Placing Order Please Mention		
Without Dial or With Dial		

Bore Gauge



- For measuring of cylindrical bores, made from stainless steel.
- Mat finish, graduations engraved for permanent use.

ITEM NO.	RANGE
VBC-766	1 to 15
VBC-767	16 to 30
VBC-768	41 to 45

Center Gauge





- Very handy gauge for grinding and setting thread cutting tools.
- Made from stainless steel, permanently deep etched graduations.

ITEM NO.	DESCRIPTION
VBC-772	55° WHIT WORTH OR ENGLISH STANDARD
VBC-773	60° US STANDARD OR AMERICAN NATIONAL

Screw Cutting Gauge



- Made from stainless-steel in satin chrome finish.
- Deep etched graduations.
- Accurate thread profiles 47-1/2° British Association and 14-1/2° Acme, 55° Whit Worth and BSF, 60° American and Metric.

ITEM NO. VBC-774

Engineer's Precision Tools

Universal Grindiing Gauges



- Made of Polished Stainless Steel.
- Clearly etched graduations.
- Combines Twist Drill Grinding Gauges, Thread Gauge.
- Measures Square and hexagonal angles of 120°, 118°, 90°, 60°, 55°.

ITEM NO.	OVERALL LENGTH	
HEMINO.	INCH	MM
VBC-775	3-3/4	95

Twist Drill Grinding Gauges



- For twist drills with acute angle of 118° upto 2" (50 mm) diameter.
- Made from Stainless Steel.

ITEM NO.	OVERALL LENGTH	
HEMINO.	INCH	MM
VBC-780	4-1/2	114

Wire Gauges (Round & Rectangle)



- Made from hardened steel.
- Permanently deep etched graduations.
- Graduations in British and Metric systems.

ITEM NO.	DESCRIPTION
VBC-784	Rectangular
VBC-785	Round

Drill Gauges



- Made of Heavy Gauge Carbon Steel.
- Hole Sizes and decimal equivalents permanently etched.

ITEM NO.	FOR DRILL SIZES
VBC-776	A - Z
VBC-777	1 - 60
VBC-778	1/16 - 1/2 by 64ths
VBC-779	1 MM – 13 MM

Protractors (Degree Protractors)



- Made of Stainless Steel.
- Measure Angles from 0° to 180°.

ITEM NO.	SIZE
VBC-781	6"
VBC-782	8"
VBC-783	12"

Protractors Cum Depth Gauges



- Graduated from 0 180°.
- Spring Tension nut to secure rule to desired depth and angle.
- Narrow 6" (150mm) rule graduated64th on one side and 0.5 mm at reverse.

ITEM NO.	DESCRIPTION
VBC-786	Rectangular
VBC-787	Round

Surface Marking Blocks / Gauges - Round Base



- Sturdy construction surface gauge.
- Consists of Adjusting knob and hardened scriber.
- Round base made of close grain Cast Iron.
- Very useful for every workshop.

ITEM NO.	HEI	GHT	BASE DIAMETER			
HEMINO.	INCH MM		INCH	MM		
VBC-788	12	300	3-1/8	80		
VBC-789	20	500	3-1/8	80		
VBC-790	40	1000	6	150		

Surface Marking Blocks Gauges - Steel Base



- Basic tool for machinist and toolmakers for accurately scribing lines, transferring measurements and probing during inspection work.
- Polished and hardened Steel base with double-ended scriber.
- Bottom V. Grooved for Cylindrical work.
- Front Recessed for depressing Spindle below base level.
- Has fine Adjustment for precise angular movement.
- Base has 2 retractable Pins to set against edge of a Surface plate.
- 1/4" (6.35 mm) hole drilled on adjustment knob for positioning a dial indicator.

ITEM NO.	BASE DIME LENGTH x WIDT			GTH OF INDLE	DIAMETER OF SPINDLE		
	INCH	MM	INCH	MM	INCH	MM	
VBC-791	2-3/16 x 1-5/8x 3/4	55 x 40 x 20	4 & 7	100 & 175	1/4	6.3	
VBC-792	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9 & 12	225 & 300	3/8	9.5	
VBC-793	4 x 3-1/2 x 1-1/8	100 x 90 x 30	12 & 18	300 & 450	3/8	9.5	
VBC-794	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9	225	3/8	9.5	
VBC-795	3-1/4 x 2-1/2 x 1	82 x 63 x 25	12	300	3/8	9.5	

Toolmaker's Precision Steel Vice



- Made from Hardened Alloy Steel.
- Single Piece construction with V-Grooved Jaws.
- All surface including Jaws and base are Precise Ground Square and Parallel.
- Clamping slots at the bottom easily affix to angle plates, etc.

ITEM NO.			JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-569	2-3/8	65	2-3/8	65	15/16	23	2-3/16	55
VBM-570	3	70	3	70	1-9/16	40	3	75

Precision Grinding Vice



- Body and Jaw of solid all steel Construction and Case Hardened.
- Slotted sides provide multitude of clamping possibilities.
- Locking Screw provided at the Vice base for adjustable positions of the Moveable Jaw.

ITEM NO.					JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-571	2	50	2	50	1	25	3	75
VBM-572	2-7/8	73	2-7/8	73	1-3/8	35	3-1/2	90

Toolmaker's Precision Screw Less Vice

- Hardened and Precision Ground Steel Vice.
- Positive download and rapid positioning notches for free Jaw movement.
- Threaded hole on both sides of stationary Jaw.
- Horizontal and vertical V in Moveable Jaw.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-573	2	50	2	50	1-1/16	30	3-1/8	80
VBM-574	3	75	3	75	1-3/8	35	3-3/4	95

2 Pcs. Milling Machine Vice



- Body made of High Quality Casting.
- Hardened and Ground Jaw Plates.
- Designed to handle extra long workpiece, thus utilizing full length of machine bed.
- Work locates directly on bed for extra rigidity.
- Quarter turn of detachable handle clamps work firm enough for heaviest cuts.

ITEM NO.	SIZ	ES	JAW WIDTH		JAW DEPTH		WIDTH OF VICE 'B'		KEY SLOT WIDTH		CLAMP TRAVEL	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-575	6	150	6	150	3	75	7-3/32	180	11/16	18	3/8	10
VBM-576	8	200	8	200	3-1/4	82	9-1/2	240	13/16	20	5/8	15

2-Way Universal Tilting and Swivel Angle Vices



Steel Jaw Plates are Ground and Hardened to 50-60 HRC.

■ Base can be Swiveled through 360° and Vise tilted through 90°.

Vice can be locked positively at various Compound Angles.

■ Two Oil Holes provided on Vice Body.

■ Ideal Vice for Milling, Grinding, Shaping, Drilling and Jig boring.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-577	2	50	2	50	7/8	22	2	50
VBM-578	4	100	4	100	1-3/4	45	4	100
VBM-579	6	150	6	150	2-1/8	54	6	150



- Vice Body made of High Grade Casting.
- Specially designed for Surface Grinders and Universal Tool and Cutter Grinders.
- Workpiece can be positively locked on hardened Jaws, at any compound angle.
- Indexing can be done through three different graduated axis.

ITEM NO.					JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-580	4	100	4	100	1	25	2-3/4	65
VBM-581	6	150	6	150	1-5/8	40	4-1/2	115

Milling Machine Vice (Heavy Duty)



- Vice body of High Tensile, Closed Grain Cast Iron.
- Hardened and Ground Jaw Plates.
- Swivel base graduated 360° for horizontal indexing.
- Totally enclosed acme screw.
- Low base design for use on Drilling, Milling and Shaping Machine.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-582	2	50	2	50	1-1/4	30	2	50
VBM-583	4	100	4	100	1-5/8	40	4	100
VBM-584	5	125	5	125	2-1/8	53	5	125
VBM-585	6	150	6	150	2-1/4	55	6	150
VBM-586	8	200	8	200	2-3/8	60	8	200

3-Way Universal Tilting and Swivel Angle Vice



- Vice Body made of High tensile close grain Cast Iron.
- Jaw Plates are Ground and Hardened to 50-60 HRC.
- Swivel Range 360° around Base.
- Tilting range 90° vertical to Horizontal and 45° from center to each side.
- Vice top surface is ground accurately to facilitate use of Magnetic Tool Holders and other accessories.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-587	4	100	4	100	1-3/4	45	4	100

Bench Vices - Fixed Base



- Shock resisting Cast Iron body, free from sand holes, pits, blow holes, scabs and other imperfections.
- Jaws are made of special Carbon Steel properly heat-treated grinded and serrated to ensure a fast non slip.
- Horizontal and Vertical 'V' is provided for round section work.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-588	3	75	3	75	2	50	3-3/8	85
VBM-589	4	100	4	100	2-1/4	55	5-1/8	130
VBM-590	5	125	5	125	2-7/8	70	5-7/8	145
VBM-591	6	150	6	150	3-1/8	80	6-3/8	160
VBM-592	8	200	8	200	4	100	8-1/4	210

Bench Vices - Swivel Base



- Shock resisting Cast Iron body, free from sand holes, pits, blow holes, scabs and other imperfections.
- Jaws are made of special Carbon Steel properly heat-treated grinded and serrated to ensure a fast non slip.
- Horizontal and Vertical 'V' is provided for round section work.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-593	3	75	3	75	2	50	3-3/8	85
VBM-594	4	100	4	100	2-1/4	55	5-1/8	130
VBM-595	5	125	5	125	2-7/8	70	5-7/8	145
VBM-596	6	150	6	150	3-1/8	80	6-3/8	160
VBM-597	8	200	8	200	4	100	8-1/4	210

Bench Vices - All Steel (Fixed Base)



- Vices are fabricated from special steel for mounting on work table, for general workshop use.
- Body is fabricated of hot rolled steel welded carefully.
- Serrated Jaws, made of Carbon Steel, properly heat treated to ensure firm non slip grip.

ITEM NO.	SIZES		JAW W	IDTH	JAW D	EPTH	JAW OP	ENING		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM		
VBM-598	3	75	3-1/8	80	2-3/8	58	3-3/8	85		
VBM-599	3-1/2	90	3-1/2	90	2-5/8	66	3-3/4	95		
VBM-600	4	100	4	100	2-3/4	70	4-1/8	105		
VBM-601	4-1/2	115	4-1/2	115	2-7/8	74	4-3/4	120		
VBM-602	5	125	5	125	3-1/8	82	5-1/4	130		
VBM-603	6	150	6	150	3-3/8	88	6-1/8	155		
VBM-604	8	200	8	200	4-1/8	105	8-1/8	205		

Bench Vices - All Steel (Swivel Base)

- Vices are fabricated from special steel for mounting on work table, for general workshop use.
- Body is fabricated of hot rolled steel welded carefully
- Serrated Jaws, made of Carbon Steel, properly heat treated to ensure firm non slip grip.

ITEM NO.	SIZES		JAW W	JAW WIDTH		ЕРТН	JAW OPENING	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-605	3	75	3-1/8	80	2-3/8	58	3-3/8	85
VBM-606	3-1/2	90	3-1/2	90	2-5/8	66	3-3/4	95
VBM-607	4	100	4	100	2-3/4	70	4-1/8	105
VBM-608	4-1/2	115	4-1/2	115	2-7/8	74	4-3/4	120
VBM-609	5	125	5	125	3-1/8	82	5-1/4	130
VBM-610	6	150	6	150	3-3/8	88	6-1/8	155
VBM-611	8	200	8	200	4-1/8	105	8-1/8	205

Baby Vice (Table Vice) - Fixed Base



Very versatile unit.

■ Ideal vice for holding small jobs.

ITEM NO.	SIZ	ZES
HEMINO.	INCH	MM
VBM-612	1	25
VBM-613	1-1/2	40
VBM-614	2	50
VBM-615	2-1/2	60
VBM-616	3	75
VBM-617	4	100

Self Centering Vice - Fixed Base

■ Body made out of special graded casting.

■ Hardened Steel Jaws provided "V" grooves for round jobs both Horizontal & Vertically.

Special Steel Screw is provided for long life.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING			
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM		
VBM-624	2	50	2	50	1-3/16	30	3	75		
VBM-625	3	75	3	75	1-1/4	32	4-7/16	110		
VBM-626	4	100	4	100	1-1/2	38	5-1/4	130		

Baby Vice (Table Vice) - Swivel Base



■ Ideal vice for holding small jobs.

ITEM NO.	SIZES					
HEMINO.	INCH	MM				
VBM-618	1	25				
VBM-619	1-1/2	40				
VBM-620	2	50				
VBM-621	2-1/2	60				
VBM-622	3	75				
VBM-623	4	100				

Self Centering Vice - Swivel Base



- Body made out of special graded casting.
- Hardened Steel Jaws provided "V" grooves for round jobs both Horizontal & Vertically.
- Special Steel Screw is provided for long life.
- Swivel Base to rotate 360 degree

ITEM NO	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
ITEM NO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-627	3	75	3	75	1-3/16	30	4-7/16	110
VBM-628	4	100	4	100	1-3/8	35	5-1/2	140
VBM-629	6	150	6	150	2-1/8	35	7-1/2	190

Drill Press Vice - Heavy Duty



Body made from Selected Cast Iron.

■ Works well with High Pressure Drilling Machine.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-630	3	75	3	75	1-3/8	35	3	75
VBM-631	4	100	4	100	1-1/2	40	4	100
VBM-632	5	125	5	125	1-3/4	45	5	125
VBM-633	6	150	6	150	2-1/4	52	6	150

Drill Press Vice - German Type



- Body made from graded casting.
- 'V' groove is provided for irregular sections.
- Moving jaw runs smoothly on two grinded rods.

ITEM NO.	SIZES		JAW WIDTH		JAW DEPTH		JAW OPENING	
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-634	3	75	3	75	1	25	3	75
VBM-635	4	100	4	100	1	25	4	100
VBM-636	5	125	5	125	1-1/2	37	5	125

Unigrip Machine Vice - Heavy Duty



- Recommended Vice for use on Drill Presses, Milling Machines and Grinders.
- Ground base and Vice bed for extreme accuracy.
- Fixed Jaw is Grooved Horizontally and Vertically for convenience in holding round pieces.
- Hardened and Ground Jaw plates.

ITEM NO.	JAW WIDTH		JAW D	EPTH	JAW OPENING		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	
VBM-637	3	75	1	25	2-3/4	70	
VBM-638	4	100	1	25	4	100	
VBM-639	6	150	1-1/2	40	5-1/2	140	

Precision Sine Vice - Lead Screw Type



- Hardened & Tempered to 52 -56 HRC
- Angle setting accuracy within ± 5 seconds.
- All side Parallelism and Squareness within ± 0.015 mm.
- Center distance of rollers within ±0.005 mm.
- A recess of exactly 2mm depth is provided on rest plate for setting up of very small angles with standard gauge blocks

ITEM NO.	Overall Length	Overall Height	Overall Width	Jaw Depth	Max Jaw Opening	C.D. of Rollers
VBM-640	205	100	73	40	85	150

Precision Sine Vice - Pin Type



- Hardened & Tempered to 52 -56 HRC
- Angle setting accuracy within ± 5 seconds.
- All side Parallelism and Squareness within ± 0.015 mm.
- Center distance of rollers within ±0.005 mm.
- A recess of exactly 2mm depth is provided on rest plate for setting up of very small angles with standard gauge blocks

ITEM NO.	Overall	Overall	Overall	Jaw	Max Jaw	C.D. of
	Length	Height	Width	Depth	Opening	Rollers
VBM-643	195	102	73	40	105	150

Tilting Table - Adjustable Angle Plate



- Heavy and Sturdy Machined Castings.
- Range 45° each way from vertical.
- Locking action by 2 clamping Screws on each end.
- Low profile for low machine head clearance.
- 3 Machined "T" slots and Precise Ground Table Surface.

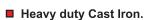
ITEM NO.	S	IZE	HEIGHT		
HEMINO.	INCH	MM	INCH	MM	
VBM-648	5 x 7	125 x 175	3-3/4	95	
VBM-649	7 x 10	175 x 250	5	125	
VBM-650	10 x 15	250 x 380	6-3/4	170	

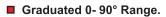
Modular Precision Machine Vice



ITEM NO.	Length	Width	Height	Jaw Depth	Max Jaw Opening
VBM-641	275	100	75	30	100
VBM-642	425	150	100	50	200

Swivel Angle Plate





■ Precision Ground Table Surface.

■ Machined T-Slots.

■ 2 Screw locks provided for setting purposes.



Compound Sliding Table (Milling & Drilling Table)



- Low silhouette table for light work.
- Widely spaced, Graduation for Fast, Accurate Reading.
- Easy to set.

ITEM NO.	TABLE SIZE			
HEMINO.	INCH	MM		
VBM-651	6 x 6	150 x 150		
VBM-652	8 x 8	200 x 200		
VBM-653	6 x 12	150 x 300		
VBM-654	8 x 12	200 x 300		
VBM-655	12 x 12	300 x 300		

G Clamps - Ductile



- Frame made from ductile Cast Iron.
- Steel Screws with Sliding T Bar handle and Swivel Shoes.

ITEM NO.	CAPACITY		
HEMINO.	INCH	MM	
VBM-662	3	75	
VBM-663	4	100	
VBM-664	6	150	
VBM-665	8	200	
VBM-666	10	250	
VBM-667	12	300	

G Clamps - Drop Forged



■ Drop forged steel clamp with strong ribbed body.

ITEM NO.	THROAT CAPACITY			
HEMINO.	INCH	MM		
VBM-656	2	50		
VBM-657	3	75		
VBM-658	4	100		
VBM-659	6	150		
VBM-660	8	200		

Parallel Clamps (Toolmaker's)



- Made from hardened steel.
- Clamps include spring clip and retaining ring.

ITEM NO.	JAW OP	ENING	JAW LENGTH		
HEMINO.	INCH	MM	INCH	MM	
VBM-668	1-1/4	30	2	50	
VBM-669	1-3/4	44	2-1/2	60	
VBM-670	2-1/4	56	3	75	
VBM-671	2-3/4	70	4	100	
VBM-672	3-1/2	88	5	125	
VBM-673	5-1/4	130	6	150	
VBM-674	6-1/4	155	8	200	

Letter Punches



- Hardened sticks of punches
- In Black Finish are packed in plastic boxes.
- Letter Set consist A-Z and & (27 sticks).

	LETTER SET					
	ITEM NO.	SIZES				
	TIENT NO.	INCH	MM			
	VBM-675	1/16	1.5			
	VBM-676	3/32	2.5			
	VBM-677	1/8	3.0			
	VBM-678	5/32	4.0			
	VBM-679	3/16	5.0			
	VBM-680	1/4	6.0			
	VBM-681	5/16	8.0			
S.	VBM-682	3/8	10.0			
	VBM-683	1/2	12.0			

Number / Figure Punches



- **■** Hardened sticks of punches
- In Black Finish are packed in plastic boxes.
- Number set consist 0-8 (9 Sticks).
- No. 6 is inverted to make No. 9.

FIGURE SET					
ITEM NO.	SIZES				
HEMINO.	INCH	MM			
VBM-684	1/16	1.5			
VBM-685	3/32	2.5			
VBM-686	1/8	3.0			
VBM-687	5/32	4.0			
VBM-688	3/16	5.0			
VBM-689	1/4	6.0			
VBM-690	5/16	8.0			
VBM-691	3/8	10.0			
VBM-692	1/2	12.0			

Letter & Number Punches - Combination Set





- Hardened sticks of punches
- In Black Finish are packed in plastic boxes.
- Combination Set consist 27 Letters & 9 Numbers

	COMBINATION SET					
	ITEM NO.	SIZES				
	TIEM NO.	INCH	MM			
	VBM-724	1/16	1.5			
	VBM-725	3/32	2.5			
	VBM-726	1/8	3.0			
	VBM-727	5/32	4.0			
	VBM-728	3/16	5.0			
	VBM-729	1/4	6.0			
	VBM-730	5/16	8.0			
	VBM-731	3/8	10.0			
3	VBM-732	1/2	12.0			

Leather (Hollow) Punches



- Made from Quality Steel, Hardened, Ground and Cutting edge is HRC.
- Body round and knurled for better gripping with Black Oxidised finish.
- Also available in different attractive colours with Powder Coating.
- Sets can be supplied as per requirement.

ITEM NO.	HOLE DIA.		ITEM NO.	HOLE DIA.	
HEMINO.	INCH	MM	HEMINO.	INCH	MM
VBM-693	1/16	1.5	VBM-708	5/8	16
VBM-694	3/32	2	VBM-709	11/16	17
VBM-695	1/8	3	VBM-710	23/32	18
VBM-696	5/32	4	VBM-711	3/4	19
VBM-697	3/16	5	VBM-712	13/16	20
VBM-698	7/32	5.5	VBM-714	27/32	21
VBM-699	1/4	6	VBM-715	7/8	22
VBM-700	9/32	7	VBM-716	29/32	23
VBM-701	5/16	8	VBM-717	15/16	24
VBM-702	3/8	9	VBM-718	1	25
VBM-703	7/16	11	VBM-719	1-1/16	26
VBM-704	1/2	12	VBM-720	1-1/8	28
VBM-705	17/32	13	VBM-721	1-3/16	30
VBM-706	9/16	14	VBM-722	1-1/4	32
VBM-707	19/32	15	VBM-723	1-5/16	34

Automatic Center Punches



Used for marking light dotting to heavy punching without having to use a hammer.

ITEM NO.	DESCRIPTION
VBM-733	Steel Body
VBM-734	Brass Body

Center Punches - Round Head



- Made from Tool Steel, Hardened and Ground.
- Black shiny finish with knurled body for easy grip.
- Available in plastic pouch in individual sizes and also in a set of 5 pcs.

ITEM NO.	TIP	DIA.	BODY LENGTH			
HEMINO.	INCH	MM	INCH	MM		
VBM-735	1/16	1.6	3	75		
VBM-736	5/64	2.0	4	100		
VBM-737	3/32	2.4	4	100		
VBM-738	9/64	3.6	4	100		
VBM-739	5/32	4.0	4	100		
	Set of 5 Centre Punches in a pouch consisting of					
VBM-740	1/16", 5/64", 3/32", 9/64" and 5/32"					

Center Punches - Square Head



- Made from Tool Steel, Hardened and Ground.
- Black shiny finish with knurled body for easy grip.
- Available in plastic pouch in individual sizes and also in a set of 5 pcs.

ITEM NO.	TIP	DIA.	BODY LENGTH			
HEMINO.	INCH	MM	INCH	MM		
VBM-741	1/16	1.6	3	75		
VBM-742	5/64	2.0	4	100		
VBM-743	3/32	2.4	4	100		
VBM-744	9/64	3.6	4	100		
VBM-745	5/32	4.0	4	100		
	Set of 5 Centre Punches in a pouch consisting of					
VBM-746	1/16", 5/64", 3/32", 9/64" and 5/32"					

Punches

Nail Punches - Round Head



- Nail punches are made from Tool Steel
- Hardened and Tempered.
- Available in individual sizes
- Also in a set of five in plastic pouch.

ITEM NO.	TIP	DIA.	BODY LENGTH		
HEMINO.	INCH	MM	INCH	MM	
VBM-747	1/16	1.6	4	100	
VBM-748	3/32	2.4	4	100	
VBM-749	1/8	3.2	4	100	
VBM-750	5/32	4.0	4	100	
VBM-751	3/16	4.8	4	100	
VBM-752	Set of 5 Nail Punches in a pouch consisting of				
	1/1	6", 3/32", 1/8'	', 5/32", and 3/	16"	

Prick Punches - Light



- Made from High Quality Carbon Steel.
- Front taper and back head in ground finish.
- Knurled body for easy gripping.
- Uniformly heat treated.

ITEM NO.	DIAMETER AT THE TOP OF TAPER INCH MM		BODY DIAMETER INCH MM		LENGTH INCH MM	
VBM-759	5/64	2.0	9/32	7.0	4	100
VBM-760	3/32	2.5	19/64	7.5	4	100
VBM-761	9/64	3.5	5/16	8.0	4	100
VBM-762	5/32	4.0	3/8	9.5	4	100
VBM-763	3/16	4.8	3/8	9.5	4	100
		Set of above	5 Prick P	unches -	Light	

Nail Punches - Square Head



- Nail punches are made from Tool Steel
- Hardened and Tempered.
- Available in individual sizes
- Also in a set of five in plastic pouch.

ITEM NO.	TIP	DIA.	BODY LENGTH		
HEMINO.	INCH	MM	INCH	MM	
VBM-753	1/16	1.6	4	100	
VBM-754	3/32	2.4	4	100	
VBM-755	1/8	3.2	4	100	
VBM-756	5/32	4.0	4	100	
VBM-757	3/16	4.8	4	100	
VBM-758	Set of 5 Nail Punches in a pouch consisting of				
	1/1	6", 3/32", 1/8'	', 5/32", and 3/	/16"	

Prick Punches - Heavy

- Made from High Quality Carbon Steel.
- Accurately Ground and Tempered.
- Enamel painted body with polished working ends.
- Used for marking along scribed lines in layout work, piercing holes in light metals and aligning holes in two or more metal sheets marking intersecting centre lines, hole locations and drill starting points.

ITEM NO.	STOCI	K SIZE	OVERALL LENGTH		
HEMINO.	INCH	MM	INCH	MM	
VBM-764	1/4	6	3	75	
VBM-765	3/8	10	5	125	
VBM-766	1/2	12	6	150	

Long Drive Pin Punches 8" (200 mm) Long - Light



- Drive Pin Punches are made from Tool Steel, Hardened and Tempered.
- Knurled body for easy grip and are in black oxidised finish.
- Total length 8" (Body length 4-1/2" and Drive Pin Section length 3-1/2").
- Available in individual sizes and also in a set of 5 in attractive plastic pouches.

ITEM NO.	TIP	DIA.	BODY DIA.		
TIEMINO.	INCH	MM	INCH	MM	
VBM-767	1/8	3.2	7/16	11.00	
VBM-768	3/16	4.8	7/16	11.00	
VBM-769	1/4	6.3	1/2	12.70	
VBM-770	5/16	8.0	1/2	12.70	
VBM-771	3/8	9.5	9/16	14.00	
VBM-772	Set of 5 long drive Pin Punches in Plastic Pouch consisting of 1/8", 3/16", 1/4", 5/16" & 3/8"				

Long Drive Pin Punches 8" (200 mm) long - Heavy



- Drive Pin Punches are made from Tool Steel, Hardened and Tempered.
- Knurled body for easy grip and are in black oxidised finish.
- Total length 8" (Body length 4-1/2" and Drive Pin Section length 3-1/2").
- Available in individual sizes and also in a set of 5 in attractive plastic pouches.

ITEM NO.	TIP	DIA.	BODY DIA.		
	INCH	MM	INCH	MM	
VBM-773	1/8	3.2	9/16	14.00	
VBM-774	3/16	4.8	9/16	14.00	
VBM-775	1/4	6.3	9/16	14.00	
VBM-776	5/16	8.0	9/16	14.00	
VBM-778	3/8	9.5	9/16	14.00	
VBM-779	Set of 5 long drive Pin Punches in Plastic Pouch consisting of 1/8", 3/16", 1/4", 5/16" & 3/8"				

Drive Pin Punches 4" (100 mm) Long



- Drive Pin Punches are made from Tool Steel, Hardened and Tempered.
- 4" long with knurled body for an easy grip and are in black oxidised finish.
- Available in individual sizes and also in set of 4 & 8 in attractive plastic pouches.

ITEM NO	TIP DIA.				
ITEM NO.	INCH	MM			
VBM-780	1/16	1.6			
VBM-781	3/32	2.4			
VBM-782	1/8	3.2			
VBM-783	5/32	4.0			
VBM-784	3/16	4.8			
VBM-785	7/32	5.5			
VBM-786	1/4	6.3			
VBM-787	5/16	8.0			
VBM-788	Set of 4 Drive Pin Punches in a pouch consisting of 1/16", 3/32", 1/8" & 5/32"				
VBM-789	Set of 8 Drive Pin Punches in a pouch consisting of 1/16", 3/32", 1/8",5/32", 3/16", 7/32", 1/4" & 5/16"				

Drive Pin Punches 6" (150 mm) Long



- Made from Carbon Steel.
- Uniformly Heat Treated.
- Length of Pin 1-3/4" (45 MM).
- Ground Finish and Knurled body for easy grip.

ITEM NO.	DIAMETER OF PIN				
HEMINO.	INCH	MM			
VBM-790	1/16	1.6			
VBM-791	3/32	2.4			
VBM-792	1/8	3.2			
VBM-793	5/32	4.0			
VBM-794	3/16	4.8			
VBM-795	7/32	5.5			
VBM-796	1/4	6.3			
VBM-797	5/16	8.0			
	A set of 6 sizes 3/32" (2.4 mm), 1/8" (3.2 mm),				
	5/32" (4 mm), 3/16" (4	4.8 mm), 1/4" (6.3 mm)			
VBM-798	and 5/16" (8 mm)				
	Packed in a Plastic Pouch				
	A set of 8 sizes 1/16" (1	.6 mm), 3/32" (2.4 mm),			
VBM-799	1/8" (3.2 mm), 5/32" (4 mm), 3/16" (4.8 mm),			
	1/4" (6.3 mm), 7/32" (5.5 mm) and 5/16" (8 mm)				
	Packed in a I	Plastic Pouch			

Parallel Pin Punches - Long Reach



- Punch Section Ground, Hardened and Tempered.
- Heavy Knurled Body with Shiny Black Finish.
- Available in individual sizes and also in a set of five in attractive Plastic Pouch.

ITEM NO.	SIZE OF TIP		BODY DIA.		TOTAL LENGTH		
HEMINO.	INCH	MM	INCH	MM	INCH	MM	
VBM-800	1/8	3.2	3/8	9.5	5	125	
VBM-801	3/16	4.8	3/8	9.5	6	150	
VBM-802	1/4	6.3	3/8	9.5	6-3/4	165	
VBM-803	5/16	8.0	1/2	12.7	7-1/2	190	
VBM-804	3/8	9.5	5/8	16.0	8-1/2	215	
VBM-805	Set of a	Set of above Five Parallel Pin Punches – Long Reach.					

Parallel Pin Punches - Short Reach



- Punch section Ground, Hardened and Tempered.
- Body heavy knurled with shiny black finish.

ITEM NO.	SIZE OF TIP		BODY DIA.		TOTAL LENGTH			
TIENT NO.	INCH	MM	INCH	MM	INCH	MM		
VBM-806	3/32	2.4	3/8	9.5	6	150		
VBM-807	1/8	3.2	3/8	9.5	6-1/4	160		
VBM-809	5/32	4.0	3/8	9.5	6-1/4	160		
VBM-810	3/16	4.8	3/8	9.5	6-1/4	160		
VBM-811	7/32	5.5	3/8	9.5	6-1/2	165		
VBM-812	1/4	6.3	3/8	9.5	6-3/4	170		
VBM-813	5/16	8.0	1/2	12.7	7	175		
VBM-814	3/8	9.5	9/16	14.3	7	175		
VBM-815	Set of a	Set of above Eight Parallel Pin Punches – Short Reach						

Brass Punches



- Made from high quality Brass Hexagonal Stock.
- Ideal Punches for working in no mar, no spark situation.
- 3-1/2" (90 mm) Long.
- Available in individual sizes and also in a set of 8 Pcs. in attractive Plastic Pouch.

ITEM NO	SIZE OF TIP				
ITEM NO.	INCH	MM			
VBM-816	1/16	1.6			
VBM-817	3/32	2.4			
VBM-818	1/8	3.2			
VBM-819	5/32	4.0			
VBM-820	3/16	4.8			
VBM-821	7/32	5.5			
VBM-822	1/4	6.3			
VBM-823	5/16	8.0			
VBM-824	Set of above 8 Brass Punches				

Starting Punches - Heavy Duty



- Enamel painted body with polished working ends.
- Made from High Quality Carbon Steel.
- Accurately Hardened and Tempered.
- Suitable for installing Pins & Rivets and for starting their removal.

ITEM NO.	POINT	Γ SIZE	STOCI	K SIZE	TAF	PER	OVERALI	LENGTH
HEMINO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBM-825	1/16	1.6	3/8	10	1-3/4	45	5	125
VBM-826	3/32	2.4	3/8	10	1-3/4	45	5	125
VBM-827	1/8	3.2	3/8	10	1-3/4	45	5	125
VBM-828	5/32	4.0	3/8	10	2-1/4	57	5	125
VBM-829	3/16	4.8	3/8	10	2-1/4	57	5	125
VBM-830	7/32	5.5	3/8	10	2-1/4	57	5-1/2	137
VBM-831	1/4	6.3	3/8	10	2-1/8	53	5	125
VBM-832	5/16	8.0	1/2	12	2	50	6	150
VBM-833	3/8	9.5	5/8	16	2-1/4	57	6-1/2	163
VBM-834	1/2	12.0	5/8	16	2-1/2	63	7	175

Transfer Punches



- Ideally suitable for Tool Makers and Machinist.
- Heat Treated and Tempered.
- 28 Punches.
- Sizes ranging from 3/32" to 33/64".
- Length of punches 4-7/8".
 - ITEM NO. VBM-835

Utility Punch & Scriber



- Hexagonal Body for comfortable grip.
- Ideal for Punching Holes in Sheet Metal.
- Can also be used as a Scriber.
- Hardened Point.
- Punch made of Tool Steel.

	ITEM NO.	LENGTH		DIAMETER OF PUNCH	
		INCH	MM	INCH	MM
	VBM-841	7-1/2	190	5/32	4.0

Taper Punches (Aligning Punches)



- Hardened and Tempered for long Life.
- Heavy Knurled Body for Better Grip.
- Punches are Ground.
- Shiny Black Finish.
- Widely used in Industry and Auto Body Shop.
- Available in Individual Sizes and also in a Display Pack of Four.

ITEM NO.	TIP	DIA.	LENGTH	
	INCH	MM	INCH	MM
VBM-836	1/8	3.2	7	175
VBM-837	3/16	4.8	9	225
VBM-838	1/4	6.3	10	250
VBM-839	5/16	8.0	12	300
VBM-840 Set of Four Taper Punches in a Dis				lay Pouch.

Universal Transfer Punches (Aligner)



- All parts are made from steel, hardened for longer life.
- Perfect hole center alignment assured.
- Replaces different sizes regular Transfer Punches.
- Available in 2 sizes.

ITEM NO.	RANGE		
HEMINO.	INCH	MM	
VBM-842	3/16" to 5/8"	5 to 15	
VBM-843	3/16" to 1-3/16"	5 to 30	

Scribers



ITEM NO.	TOTAL LENGTH		SPECIFICATIONS	A DDI ICATION	
HEMINO.	INCH	MM	SPECIFICATIONS	APPLICATION	
VBM-844	4	100	Pointed at one end & knife edge at opposite end	Marking & scorring	
VBM-845	6-3/4	170	Knurled body, pointed at one end and	Marking & scorring	
VBM-846	0-3/4 170		knife edge at opposite end	Warking & Scotting	
VBM-847	10	250	Pointed at one end & knife edge at opposite end	Marking & scorring	
VBM-848	1-848 4-1/2 114 Single ended light duty scriber with knurled body		General Marking Jobs		
VBM-849	7	175	Single ended scriber with knurled body	General marking jobs	
VBM-850	7-1/2	190	Single ended heavy duty	Marking & scorring	
VBM-851	6	150	Scriber with 12 interchangeable Alloy Steel Pins	Marking & scorring	
VBM-852	4	105	Scribers with hardened steel reversible point	Light marking in confined spaces	
VBM-853	7-1/2	190	Double ended scriber with knurled body	Marking & scorring	
VBM-854 VBM-855	9	230	Double ended heavy duty scriber with knurled body	Heavy marking jobs in confined spaces, grooves etc.	