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1

Threaded Arbors

Threaded arbors are manufactured from high quality steel. These arbors are case hardened to 54-58 HRC for increased resistance to wear.

These arbors are used for mounting chucks to spindles having threaded holes.

Accurately gauged self locking tapers ensure close tolerance fit.

Cat. No.	Shank Size	Thread
TA-6400	MT 1	3/8 - 24
TA-6401	MT 1	1/2 - 20
TA-6402	MT 2	3/8 - 24
TA-6403	MT 2	1/2 - 20
TA-6404	MT 2	5/8 - 16
TA-6405	MT 3	3/8 - 24
TA-6406	MT 3	1/2 - 20
TA-6407	MT 3	5/8 - 16
TA-6408	1/2" Straight	3/8 - 24
TA-6409	1/2" Straight	1/2 - 20



2

R- 8 Drill Chuck Arbors

R- 8 drill chuck arbors are manufactured from high quality steel.

These arbors are case hardened to 54-58 HRC for increased resistance to wear.

Accurately gauged self locking tapers ensure close tolerance fit.

Cat. No.	Shank Size	To Fit Drill Chunk
DCA-6290	R8-1	1
DCA-6291	R8-2	2
DCA-6292	R8-3	3
DCA-6293	R8-4	4
DCA-6294	R8-6	6
DCA-6295	R8-33	33



3

R-8 Morse Taper Adaptors

Manufactured to precision from case hardened steel.

Concentricity within 0.015mm.

Cat. No.	Outside Taper	Inside Taper
MTA-6039	R8	MT 2
MTA-6040	R8	MT 3





Straight Shank Arbors

Straight shank arbors are manufactured from high quality steel. These arbors are case hardened to 54-58 HRC for increased resistance to wear.

These arbors are used for mounting chucks to spindles having straight holes.

Accurately gauged self locking tapers ensure close tolerance fit.

Cat. No.	Shank Dia.	Shank Length	Jacob Taper
SSA-6420	3/8"	2-1/2"	0
SSA-6421	3/8"	2-1/2"	1
SSA-6422	3/8"	2-1/2"	2
SSA-6423	1/2"	2-1/2"	0
SSA-6424	1/2"	2-1/2"	1
SSA-6425	1/2"	2-1/2"	2
SSA-6426	1/2"	2-1/2"	3
SSA-6427	1/2"	2-1/2"	4
SSA-6428	1/2"	2-1/2"	6
SSA-6429	1/2"	2-1/2"	33
SSA-6430	5/8"	2-1/2"	0
SSA-6431	5/8"	2-1/2"	1
SSA-6432	5/8"	2-1/2"	2
SSA-6433	5/8"	2-1/2"	3
SSA-6434	5/8"	2-1/2"	4
SSA-6435	5/8"	2-1/2"	6
SSA-6436	5/8"	2-1/2"	33
SSA-6437	3/4"	3"	0
SSA-6438	3/4"	3"	1
SSA-6439	3/4"	3"	2
SSA-6440	3/4"	3"	3
SSA-6441	3/4"	3"	4
SSA-6442	3/4"	3"	6
SSA-6443	3/4"	3"	33
SSA-6444	1"	3"	0
SSA-6445	1"	3"	1
SSA-6446	1"	3"	2
SSA-6447	1"	3"	3
SSA-6448	1"	3"	4
SSA-6449	1"	3"	5
SSA-6450	1"	3"	6
SSA-6451	1"	3"	33
SSA-6452	1-1/2"	4"	3
SSA-6453	1-1/2"	4"	4
SSA-6454	1-3/4"	4"	3
SSA-6455	1-3/4"	4"	4



5

Drill Chuck Arbor - Taper Shank

Taper shank arbors are manufactured from high quality steel. These arbors are case hardened to 54-58 HRC for increased resistance to wear.

These arbors are used for mounting tapered back chucks or any other tool having a tapered back directly onto the machine spindle.

Accurately gauged self locking tapers ensure close tolerance fit.

Cat. No.	Morse Taper	Jacob Taper
TSA-6500	1	1
TSA-6501	1	2
TSA-6502	1	3
TSA-6503	1	4
TSA-6504	1	5
TSA-6505	1	6
TSA-6506	1	33
TSA-6507	2	0
TSA-6508	2	1
TSA-6509	2	2
TSA-6510	2	3
TSA-6511	2	4
TSA-6512	2	5
TSA-6514	2	6
TSA-6515	2	33
TSA-6516	3	1
TSA-6517	3	2
TSA-6518	3	3
TSA-6519	3	4
TSA-6520	3	5
TSA-6521	3	6
TSA-6522	3	33
TSA-6523	4	2
TSA-6524	4	3
TSA-6525	4	4
TSA-6526	4	5
TSA-6527	4	6
TSA-6528	4	33
TSA-6529	5	2
TSA-6530	5	3
TSA-6531	5	4
TSA-6532	5	5
TSA-6533	5	6
TSA-6534	5	33



Cat. No.	Morse Taper	Drill Chuck Taper
TSA-6540	1	B 10
TSA-6541	1	B 12
TSA-6542	2	B 12
TSA-6543	3	B 12
TSA-6544	1	B 16
TSA-6545	2	B 16
TSA-6546	3	B 16
TSA-6547	4	B 16
TSA-6548	1	B 18
TSA-6549	2	B 18
TSA-6550	3	B 18
TSA-6551	4	B 18
TSA-6552	2	B 22
TSA-6553	3	B 22
TSA-6554	4	B 22



Blank End Arbors

Blank end arbors are manufactured from high quality steel.

Taper portion is ground & hardened.

These arbors are designed for applications where regular tapered & hardened arbors cannot be used.

Shank portion is soft & can be modified to suit individual requirements for mounting cutters etc.

Accurately gauged self locking tapers ensure close tolerance fit.

Cat. No.	Morse Taper
BEA-6280	1
BEA-6281	1
BEA-6282	2
BEA-6283	3





Drill Sleeves (Reduction Sleeves)

Drill Sleeves or reduction sleeves as the name suggests are used to adapt small morse taper shank size tools for use on machine spindles of larger sizes.

The sleeves have a precise connectivity & taper for allowing an exact matching with the tool held.

Available in both A-Grade as well as Workshop Grade.

A-GRADE: Hardened throughout. Accurately ground both internally & externally precisely to close limits.

WORKSHOP GRADE: Accurately grounded externally & reamed finish internally. Suitable for general workshop use.

Cat. No.	Cat. No.	Morse Taper	Morse Taper	Overall Length
Workshop Grade	A Grade	Outside	Inside	mm
DS6240	DS-6260	1	2	92
DS6241	DS-6261	1	3	99
DS6242	DS-6262	1	4	124
DS6243	DS-6263	1	5	171
DS6244	DS-6264	2	3	121
DS6245	DS-6265	2	4	124
DS6246	DS-6266	2	5	156
DS6247	DS-6267	3	4	140
DS6248	DS-6268	3	5	156
DS6249	DS-6269	4	5	171
DS6250	DS-6270	4	6	218
DS6251	DS-6271	5	6	218



Live Center – Dual Bearing

Manufactured from high grade steel, body is hardened for extra strength & rigidity.

Consists of two anti-friction bearings, one taper roller bearing takes thrust & shares radial load with one ball bearing.

The spindle (nozzle) is hardened to within 60 – 62 HRC & is precisely ground to 60° tip angle. Knurled body for a firm grip.

Cat. No.	Morse Taper	Body Dia.	Point	Dia.		Overall Length	
				Inch	mm	Inch	mm
LC-6100	MT 1	1-5/16	34	11/16	18	4-3/4	121
LC-6101	MT 2	2	50	27/32	21	5-7/8	149
LC-6102	MT 3	2-5/16	60	15/16	24	7-1/4	185
LC-6103	MT 4	2-1/2	63	1-1/8	29	8-5/8	220
LC-6104	MT 5	3	75	1-1/2	38	10-1/4	260
LC-6105	MT 6	4	100	2-1/8	54	14	356





Live Center Heavy Duty – Triple Bearing

Manufactured from high grade steel, body is hardened for extra strength & rigidity.

Consists of three anti-friction steel bearings, one taper roller bearing takes thrust & shares radial load with two ball bearing.

The spindle (nozzle) is hardened to within 60 – 62 HRC & is precisely ground to 60° tip angle.

Bearings are pre-loaded to avoid starting shock loads.

Cat. No.	Morse Taper	Body Dia.	Point	Dia.		Overall Length	
				Inch	mm	Inch	mm
LC-6090	MT 1	1-5/16	34	11/16	18	4-3/4	121
LC-6091	MT 2	2	50	27/32	21	5-7/8	149
LC-6092	MT 3	2-5/16	60	15/16	24	7-1/4	185
LC-6093	MT 4	2-1/2	63	1-1/8	29	8-5/8	220
LC-6094	MT 5	3	75	1-1/2	38	10-1/4	260
LC-6095	MT 6	4	100	2-1/8	54	14	356



Live Centers - Bull Nose

Designed to hold pipe & hollow work.

Preloaded bearings to achieve good thrust & radial capacities.

Head made from heat treated hardened high carbon alloy steel.

Cat. No.	Morse Taper	Head Dia.	Total Length	Nose Dia.	Angle
		mm	mm	mm	
BLC-6500	MT 2	63	136	11.7	70°
BLC-6501	MT 3	78	172	18	70°
BLC-6502	MT 4	128	193	35	75°
BLC-6503	MT 5	147	243	35	75°



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Multi Point Live Centers – 7 Tips

Manufactured from high grade alloy steel.

Covers broad range of applications like to hold conical ends, small diameter parts & bores up-to 1-1/8".

Special taper mount for quick change of points.

Sets are supplied in fine finished wooden stand.

Cat. No.	Size
MLC-6549	MT 2
MLC-6550	MT 3



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Dead Centers (Solid Lathe Centers)

Manufactured from high quality carbon steel. Solid construction with no moving parts, suitable for all machining as well as grinding applications.

Hardened & ground all over to precision limits, 60° included point angle.

Carbide tipped solid lathe centers are brazed with prescribed quality carbide tips offering maximum resistance & giving a longer tool life.

High speed steel tipped solid lathe centers also available.

Cat. No. Carbon Steel	Cat. No. H.S.S.	Cat. No. Carbide Tipped	Morse Taper	Overall Length	
				Inch	mm
SLC-6180	SLC-6190	SLC-6200	MT 0	2-7/8	73
SLC-6181	SLC-6191	SLC-6201	MT 1	3-5/16	84
SLC-6182	SLC-6192	SLC-6202	MT 2	4-3/16	106
SLC-6183	SLC-6193	SLC-6203	MT 3	5-1/4	133
SLC-6184	SLC-6194	SLC-6204	MT 4	6-1/2	165
SLC-6185	SLC-6195	SLC-6205	MT 5	8	203
SLC-6186	SLC-6196	SLC-6206	MT 6	10-5/8	270



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Half Lathe Centers

60° included point angle half center. Precise ground & hardened.

Solid construction with no moving parts. Carbide tipped centers give longer tool life.

High speed steel tipped half lathe centers also available.

Cat. No.	Cat. No.	Cat. No.	Morse Taper	Overall Length	
				Inch	mm
HLC-6520	HLC-6530	HLC-6540	MT 1	3-5/16	84
HLC-6521	HLC-6531	HLC-6541	MT 2	4-3/16	104
HLC-6522	HLC-6532	HLC-6542	MT 3	5-1/4	133
HLC-6523	HLC-6533	HLC-6543	MT 4	6-1/2	165
HLC-6524	HLC-6534	HLC-6544	MT 5	8	203



15

Toolmakers Parallel Clamp

Manufactured from case hardened steel for maximum strength & rigidity.

The properly hardened jaws are equipped with spring tension & flat surfaces are accurately ground.

The tool is extremely useful for holding work together in tapping, drilling & grinding.

Screw heads are drilled, allowing use of pin for tightening.

Cat. No.	Jaw Length		Jaw Opening	
	Inch	mm	Inch	mm
TPC-6020	2	50	1-1/4	31
TPC-6021	2-1/2	60	1-3/4	44
TPC-6022	3	75	2-1/4	57
TPC-6023	4	100	2-3/4	70
TPC-6024	5	125	3-1/2	89
TPC-6025	6	150	4-1/2	114
TPC-6026	8	200	6	150



16 **Adjustable Mill Stop**

Convenient & versatile accessory for use on milling machines, vertical or horizontal jig-borers.

Serves as a rigid placement stop on milling set-ups with vises or angle plates.

Has 1/2" (12.7 mm) clamping hole in base to allow secure t-slot machine mounting.

3/8" (9.50 mm) diameter rod with 1/4" (6 mm) step.

Base dimension 2 x 4-1/2" (50 x 114 mm).

Overall height 7-1/2" (190 mm).



Cat. No.
AMS-6030

17 **Universal Work Stop**

Fits most popular machine vises - Anglock Type of 5" & 6".

Bolt-on design, requires no modifications to vise.

Will work in left or right hand location.

Will work with any jaw height.



Cat. No.
AMS-6030

18 **Tap Guide – Knurled Body**

Knurled for easy gripping.

Pin is hardened & is reversible for male & female hole centering of tip.

Adjustable spring.

Comes in an attractive vinyl pouch.



Cat. No.	Shank Dia.	Point Dia.
TGK-6110	1/2"	3/16"



Engineer's Steel Parallels

Manufactured from proper alloy steel & are furnished in matched pairs.

These are hardened & accurately ground on all four faces.

Generally used in layout work to raise the job to a suitable height & provide a solid seat.

The parallels are practically interchangeable because of their true accuracy.

Cat. No.	Size
	Inch
ESP-6045	3 x 1/16 x 1
ESP-6046	3 x 1/8 x 1
ESP-6047	3 x 1/4 x 1
ESP-6048	3 x 1/2 x 1
ESP-6049	4 x 1/4 x 1/2
ESP-6050	6 x 1/8 x 1
ESP-6051	6 x 1/4 x 1-1/2
ESP-6052	6 x 1/4 x 2
ESP-6053	6 x 3/8 x 1/2
ESP-6054	6 x 3/8 x 3/4
ESP-6055	6 x 3/8 x 1
ESP-6056	6 x 1/2 x 3/4
ESP-6057	6 x 1 x 1
ESP-6058	6 x 1 x 1-1/4
ESP-6059	6 x 1 x 1-1/2
ESP-6060	6 x 1 x 2
ESP-6061	6 x 1-1/4 x 1-1/4
ESP-6062	8 x 1/2 x 3/4
ESP-6063	8 x 1 x 1-1/4
ESP-6064	8 x 1 x 1-1/2
ESP-6065	8 x 1 x 2
ESP-6066	9 x 1/2 x 1
ESP-6067	9 x 3/4 x 1-1/2
ESP-6068	10 x 1-1/2 x 1-1/2
ESP-6069	10 x 1-1/2 x 2
ESP-6070	12 x 3/4 x 1
ESP-6071	12 x 3/4 x 1-1/4
ESP-6072	12 x 3/4 x 1-1/2
ESP-6073	12 x 1-2/4 x 1/2
Other sizes can be supplied as per specific orders which are not mentioned above.	
Equivalent Metric Sizes can be supplied against specific orders.	



20

Single Ended Pin Vise

Pin vises are work-holding tools for hand or machine use.

Designed for holding small stock or taps, drills etc. securely & have a knurled body with a black finish.

Knurled end has smaller diameter than chuck.

These pin vises are available in individual sizes or as a set of 4.



Cat. No.	Capacity		Overall Length	
	Inch	mm	Inch	mm
SPV-6080	0 to .04	0 to 1.0	3-3/8	85
SPV-6081	0.031 to .06	0.8 to 1.5	3-5/8	92
SPV-6082	.052 to .125	1.3 to 3.1	3-3/4	95
SPV-6083	.120 to .192	3.0 to 4.85	4-1/8	105
SPV-6084	4 PC Set - Consisting of One each from the above mentioned sizes.			

21

Lathe Carriers (Dog Carriers)

Manufactured from high grade cast Iron.

Available in both straight tail & bent tail.

Fixed with hardened screws, for heavy duty.

Sizes 3.1/2" to 6" (89mm to 152mm) are fitted with two screws instead of one.



Cat. No.	Cat. No.	Capacity	
		Inch	mm
DC-6120	DC-6140	1/2	12.5
DC-6121	DC-6141	3/4	19
DC-6122	DC-6142	1	25
DC-6123	DC-6143	1-1/4	32
DC-6124	DC-6144	1-1/2	38
DC-6125	DC-6145	1-3/4	44
DC-6126	DC-6146	2	50
DC-6127	DC-6147	2-1/2	63
DC-6128	DC-6148	3	76
DC-6129	DC-6149	4	101
DC-6130	DC-6150	5	127
DC-6131	DC-6151	6	152

22 Ejecting Drill Drifts

These are manufactured from fine steel. Hardened & tempered.

Helps in removing taper shank tools conveniently from drill sleeves & sockets.

Black mottle finish.

Cat. No.	Drift No.	To Suit
		Morse Taper
EDD-6160	1	MT 1-2
EDD-6161	2	MT 2-3
EDD-6162	3	MT 3-4
EDD-6163	4	MT 4-5
EDD-6164	5	MT 5-6



23 High Precision Drill Chucks

Sleeves are manufactured from special steel, properly heat treated & internally ground on 3 diameters.

Key operated guided jaw type.

Body manufactured from special steel.

Jaws & screw rings are properly hardened & ground.

Cat. No.	Chuk Capacity	Mount	
	Inch	Tapered	Threaded (T.P.I)
PDC-6220	1/4	JT-1	3/8 x 24
PDC-6221	3/8	JT-2, B-12	3/8 x 24, 1/2 x 20
PDC-6222	1/2	JT-2, JT-6, JT-33, B-12, B-16	1/2 x 20, 5/8 x 16
PDC-6223	5/8	JT-2, JT-3, JT-6, JT-33, B-16, B-18	1/2 x 20, 5/8 x 16
PDC-6224	3/4	JT-3	5/8 x 16
Other sizes can be supplied as per specific orders which are not mentioned above.			



24

Solid Socket (Turret Socket)

Straight shank with morse taper hole. Hardened & ground.

For holding morse taper shank tools in straight turret & automatic lathes.

Cat. No.	Hole	Outside Dia.	Overall Length
SS-6560	MT-1	1"	3-1/2"
SS-6561	MT-1	1-1/4"	3-1/2"
SS-6562	MT-1	1-1/2"	3-1/2"
SS-6563	MT-2	1"	4"
SS-6564	MT-2	1-1/4"	4"
SS-6565	MT-2	1-1/2"	4"
SS-6566	MT-2	1-3/4"	4"
SS-6567	MT-2	2"	4"
SS-6568	MT-3	1-1/4"	4-3/4"
SS-6569	MT-3	1-1/2"	4-3/4"
SS-6570	MT-3	1-3/4"	4-3/4"
SS-6571	MT-3	2"	4-3/4"
SS-6572	MT-4	1-1/2"	6"
SS-6573	MT-4	1-3/4"	6"
SS-6574	MT-4	2"	6"
SS-6575	MT-5	2-1/4"	7-3/8"
SS-6576	MT-5	2-1/2"	7-3/8"
SS-6577	MT-6	3-1/4"	10-1/8"
SS-6578	MT-6	3-1/2"	10-1/8"



25

Machinist Jack

Manufactured from cast iron steel.

Adjustable screw & tilting swivel head.

Lock nut facility for permanent positioning.

Used on shapers, milling machines, drill presses etc. or any area where leveling is required.

Can be adjusted up-to 1" (25.4 mm).



Cat. No.
MJ-6170



Extension Socket

Manufactured from high quality case hardened steel.

Used as an extension for all the taper shank tools.

Available in both A-Grade as well as Workshop Grade.

A-GRADE: Hardened throughout. Accurately ground both internally & externally precisely to close limits.

Cat. No.	Cat. No.	Morse Taper	Morse Taper
Workshop Grade - Unhardened	A Grade - Hardened	Inside	Outside
ES-6600	ES-6640	1	1
ES-6601	ES-6641	1	2
ES-6602	ES-6642	1	3
ES-6603	ES-6643	1	4
ES-6604	ES-6644	1	5
ES-6605	ES-6645	2	1
ES-6606	ES-6646	2	2
ES-6607	ES-6647	2	3
ES-6608	ES-6648	2	4
ES-6609	ES-6649	2	5
ES-6610	ES-6650	3	2
ES-6611	ES-6651	3	3
ES-6612	ES-6652	3	4
ES-6614	ES-6653	3	5
ES-6615	ES-6654	4	2
ES-6616	ES-6655	4	3
ES-6617	ES-6656	4	4
ES-6618	ES-6657	4	5
ES-6619	ES-6658	4	6
ES-6620	ES-6659	5	3
ES-6621	ES-6660	5	4
ES-6622	ES-6661	5	5
ES-6623	ES-6662	5	6
ES-6624	ES-6663	6	6



27 Adapter Pin Chuck Set

Adapter pin chucks are used for holding miniature drills.

The adapter is locked into a chuck to convert it for precise drilling.

Comes with two sets of jaws, Capacity 0 to 1/16" (0 to 1.60 mm) & 1/16" to 3/32" (1.60 mm to 2.40 mm).

Cat. No.	Shank Diameter		Shank length		Overall Length	
	Inch	mm	Inch	mm	Inch	mm
APC-6470	3/32	2.4	1-3/8	35	2-5/8	67



28 Pin Chuck Set

Pin Chucks are designed for holding small drills. The pin chuck is gripped in the larger chuck that is already on the machine.

Also used on automatic lathes where pins chuck does not revolve.

Supplied with 3 interchangeable collets as one set.

Black shiny finish.

Cat. No.	One Pin Chuck with 3 collets of size
PCS-6480	0 to 1/32" (0 to 0.8 mm)
	1/32" to 1/16" (0.8 mm to 1.60 mm)
	1/16" to 3/32" (1.60 mm to 2.40 mm)



29 Bench Blocks

Holds work when driving pins, drilling, etc.

V-Groove accommodates round & odd shaped work.

Hardened & ground knurled body for a firm grip.

Recessed base for light weight.

Cat. No.	Block Dia.		Block Height		Block Holes	
	Inch	mm	Inch	mm	Inch	mm
BB-6490	3	76	1-1/2	38	1/8 to 5/8	3.2 to 16





Valve Seat & Face Cutter Set

Valve & seat cutters are manufactured from high grade carbon steel, hardened & tempered. Cutting edges of all the cutters are accurately ground for best results. Supplied in fine finished wooden box.

Cat. No.	Set	Size of Valve Seat & Face Cutter Included	Size Of Bore
		Inch	Cutter Included Inch
VSC-6000	3 PC Set	1-5/16 & 1-7/16 (45°) Supplied with 2 Guides, 1 Handle, Rod & Small Pin	1-3/8 (20°)
VSC-6001	4 PC Set	1-5/16, 1-7/16 & 1-3/8 (45°) Supplied with 2 Guides, 1 Handle, Rod & Small Pin	1-3/8 (20°)
VSC-6002	5 PC Set	1-5/16, 1-3/8, 1-1/2 & 1-11/16 (45°) Supplied with 2 Guides, 1 Handle, Rod & Small Pin	1-1/2 (20°)
VSC-6003	10 PC Set	1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-1/2, 1-11/16, 1-3/4 (45°) & 1-9/16, 1-1/4 (20°) & 1-11/16 (30°) Supplied with 8 Guides, 2 Handle, 2 Rods & Small Pin	1-1/4 & 1-1/2 (20°)
VSC-6004	12 PC Set	1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-1/2, 1-11/16, 1-3/4, 2-1/16 (45°) & 1-9/16, 1-1/4 (20°) & 1-11/16 (30°) Supplied with 8 Guides, 2 Handle, 2 Rods & Small Pin	1-1/4, 1-1/2 & 1-3/4 (20°)
VSC-6005	15 PC Set	1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-1/2, 1-11/16, 1-3/4, 2-1/16, 1-7/16, 1-5/8, 2-1/8 (45°) & 1-9/16, 1-1/4 (20°) & 1-11/16 (30°) Supplied with 8 Guides, 2 Handle, 2 Rods & Small Pin	1-1/4, 1-1/2 & 1-3/4 (20°)
VSC-6006	20 PC Set	1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-1/2, 1-11/16, 1-3/4, 2-1/16, 1-7/16, 1-5/8, 2-1/8, 1-1/8, 1-7/8, 2-1/4 (45°) & 1-9/16, 1-1/4 (20°) & 1-11/16 (30°) Supplied with 8 Guides, 2 Handle, 2 Rods & Small Pin	1-1/4, 1-1/2, 1-3/4 & 2 (20°)



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Adjustable Pin Vise

Three jaw steel screw chuck.

Plastic handle.

Ideal tool for holding small drills, burs, wires, reamers & other miniature tools.



Cat. No.	Capacity		Overall Length	
	Inch	mm	Inch	mm
APV-6759	0 to 1/4	0 to 6.35	6-3/16	155
APV-6760	1/8 to 1/2	3.2 to 12.7	6-1/2	165

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Steel Vee Blocks

Block properly heat treated. Accurately machined & precision ground to extreme accuracy.

These vee blocks will hold the job securely & accurately during drilling & milling operations. Suitable for tool-makers & machinist's.

Accurately finished in matched pairs, so that 90° vee in each block is always in alignment with the other block of the pair.

Clamp fitted with one steel screw for adjustment. Supplied in matched pairs, clamps included.



Cat. No.	Length x Width x Height		Clamping Capacity	
	Inch	mm	Inch	mm
VB-6715	1-5/8 x 1-1/4 x 1-1/4	40 x 32 x 32	1	25
VB-6716	2 x 1-1/2 x 1-1/2	50 x 38 x 38	1-1/2	38
VB-6717	1-3/4 x 1-5/8 x 1-3/8	45 x 40 x 35	1	25
VB-6718	2-3/4 x 1-3/4 x 1-5/8	70 x 45 x 40	1-1/2	38
VB-6719	2-1/2 x 2 x 2	63 x 50 x 50	2	50
VB-6720	3-1/8 x 2-1/2 x 2-1/2	80 x 63 x 63	2-1/2	63
VB-6721	2 x 1-5/8 x 2	50 x 40 x 50	1-1/4	30
VB-6722	3 x 2-1/8 x 2-1/8	75 x 55 x 55	2	50
VB-6723	4 x 3 x 3	100 x 75 x 75	2-3/4	70

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Cast Iron Vee Blocks

Manufactured from high quality casting, properly seasoned against any kind of distortion.

Are accurately machined square & parallel. 90° vee is centered true.

Supplied in matched pairs.

Cat. No.	Length		Width Of Vee	
	Inch	mm	Inch	mm
VB-6730	3	75	1-3/4	44
VB-6731	4	100	2	50
VB-6732	5	127	2	50
VB-6733	6	150	3-1/4	82
VB-6734	7	180	3-1/2	90
VB-6735	8	205	4	100
VB-6736	10	255	5	125
VB-6737	12	305	6-1/2	165



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Multipurpose Vee Blocks

Stepped groove construction permits both low & high clamping.

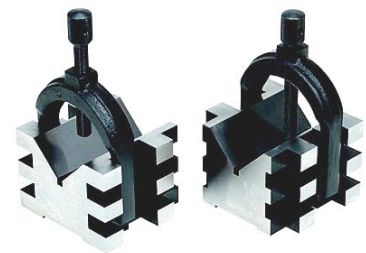
Designed for holding square or round work-pieces with great accuracy.

Hardened steel, all side precision ground, parallel & square.

Features clamps within grooves permit use on sides.

Supplied in matched pairs, clamps included.

Cat. No.	Length x Width x Height	
	Inch	mm
VB-6745	2-3/8 x 2-3/4 x 2	60 x 70 x 50





Non Protruding Vee Blocks

Block properly heat treated.

Accurately machined & precision ground to extreme accuracy.

Top clamping design allows the blocks to be used on the side faces also.

Accurately finished in matched pairs, so that 90° vee in each block is always in alignment with the other block of the pair.

Clamp fitted with one steel screw for adjustment.

Supplied in matched pairs, clamps included.



Cat. No.	Length x Width x Height		Clamping Capacity
	Inch	mm	mm
VB-6749	2-3/4 x 2-1/2 x 1-3/4	70 x 63 x 45	37
VB-6750	4-7/8 x 3-1/2 x 2-3/4	125 x 88 x 70	45



Ultimate Vee Block & Clamp Set

This particular tool does full justification to its name as it can be used on the base, on ends or flat on either side.

The clamp is within the outside width of the block. Fully hardened & precision ground.

Sides are ground parallel & the groove is ground central & parallel to the sides & the base.

Clamp has an adjustable side screw which supports the block and prevents it from tilting during various operations like drilling, milling or grinding.

A right angle groove at steeped end is handy for holding shouldered studs round pins etc.

Vee block has four tapped holes, two in the base & one each on sides so that the block can be attached to a working table or to a lathe face plate.



Cat. No.	Length x Width x Height		Clamping Capacity	
	Inch	mm	Inch	mm
VB-6740	3-5/8 x 1-7/8 x 1-7/8	92 x 48 x 48	1-5/16	33



Magnetic Vee Blocks

An indispensable tool for any engineering unit having three contact faces, all magnetized at the same time.

As such it will hold itself & the work piece at the same time on any flat ferrous surface.

It can even be used on the machines fitted with Magnetic Chuck (without energizing the chuck).

A powerful, permanent magnet is controlled by Rotary ON/OFF Switch. All working surfaces are precision ground.

Generally supplied in matched pairs but can be supplied in singles also.

Most suitable for holding round & irregular shapes for scribing, grinding, measuring & machining.



Cat. No.		Length x Width x Height		Big V	
Pair	Single	Inch	mm	Inch	mm
VB-6700	VB-6703	2-3/4 x 2-1/8 x 2-7/8	70 x 54 x 73	1-1/2	38
VB-6701	VB-6704	4 x 2-3/4 x 3-3/4	100 x 70 x 95	2	50
VB-6702	VB-6705	6 x 3 x 3-3/4	150 x 75 x 95	2-1/4	55