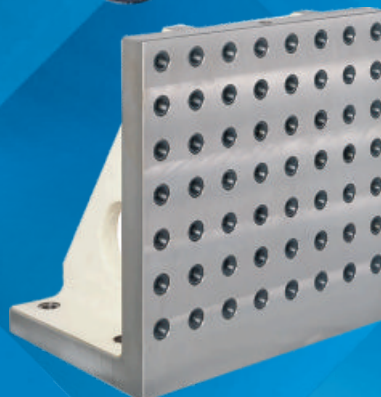
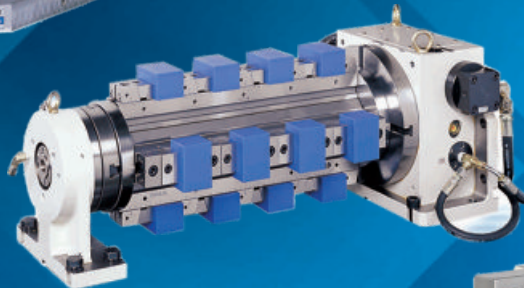
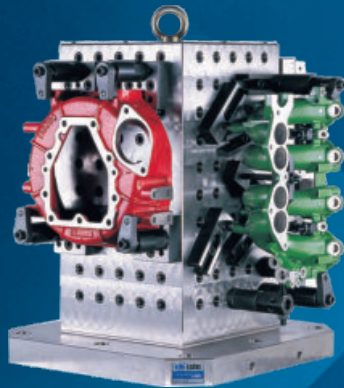




LEAVE INDUSTRIAL CO., LTD. TOMBSTONECITY

MODULAR JIGS & FIXTURES
MODULAR VISE SYSTEMS
TOOLING & WORK HOLDING COMPONENTS





We are pleased to present our latest catalogue of
COMPLETE WORK HOLDING PRODUCTS

We have included many new items that have been thoroughly engineered and tested
Besides our standard products, we can custom fabricate: Tooling columns, Angle plates, Sub plates

We offer complete turnkey work holding solutions

Our machining capabilities have increased, and can now fully machine jigs & fixtures up to
8'x8'x14'

Plates up to 10 by 32 feet

All our products are available in both IN & MM

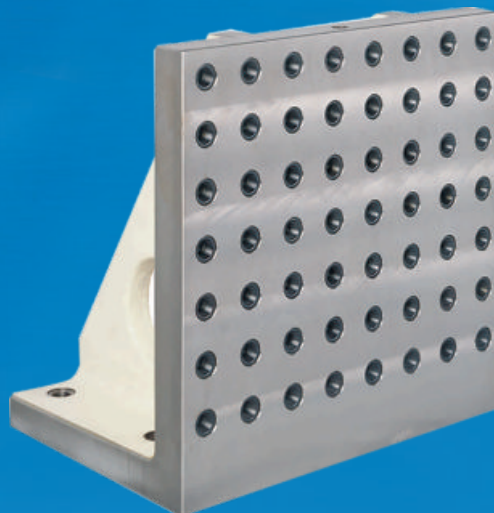
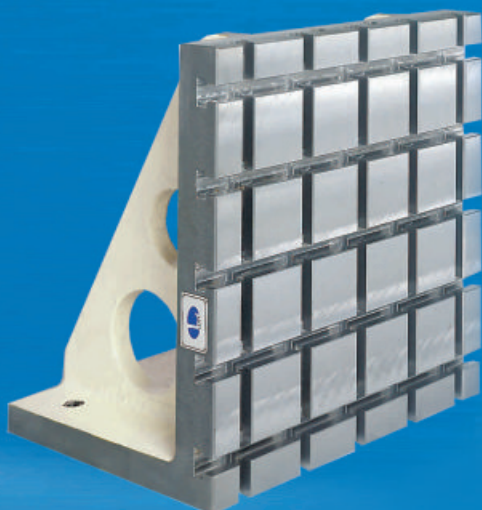
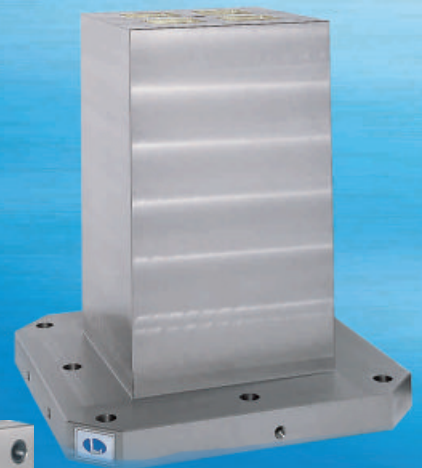
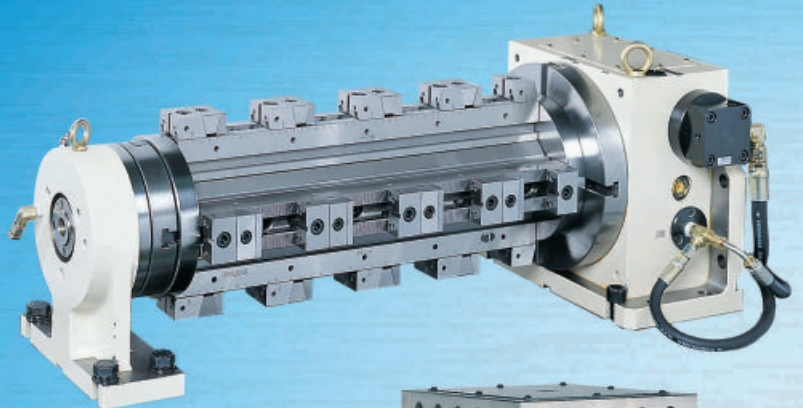
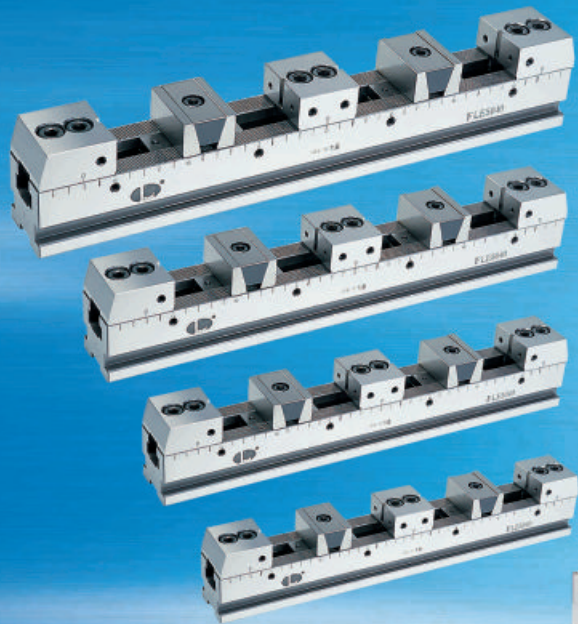


Reception Area

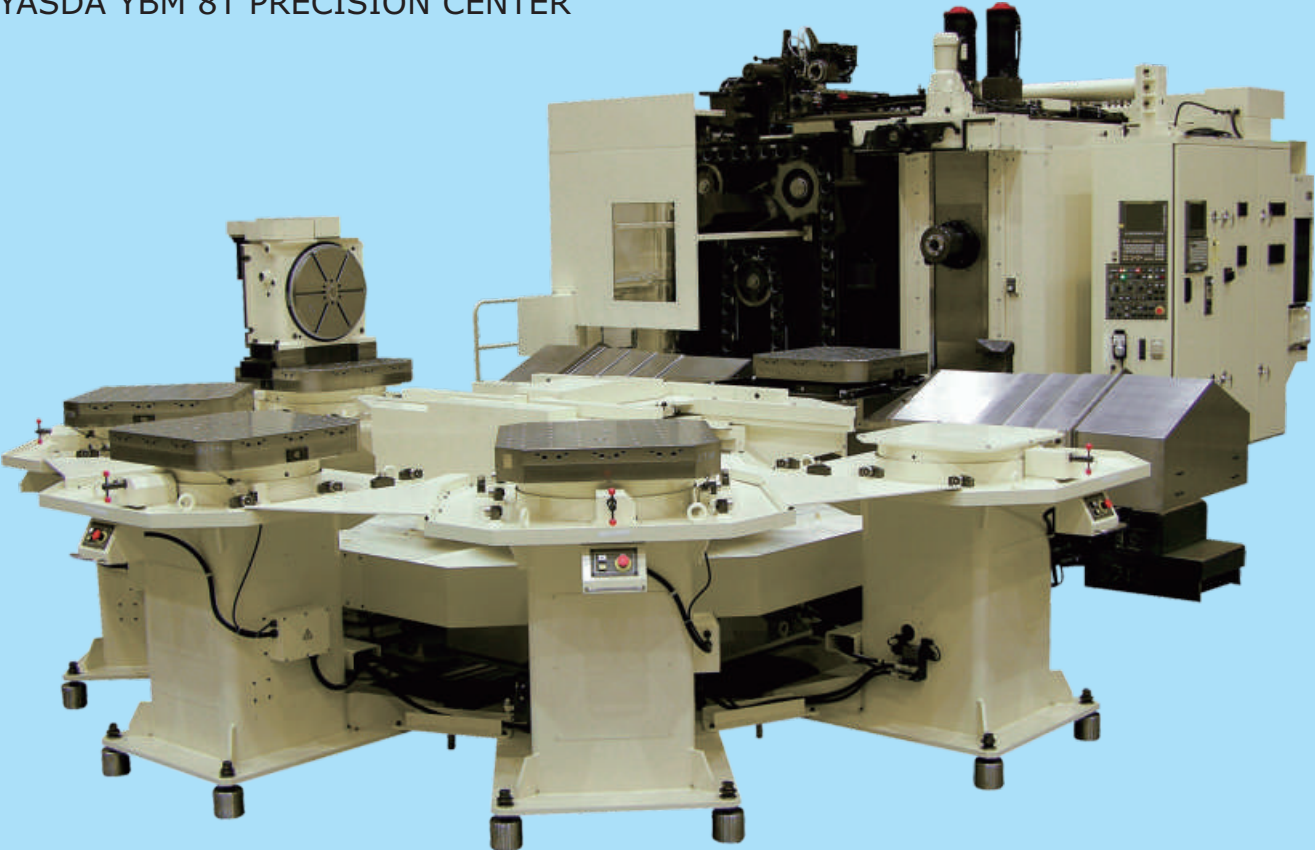
Executive Area



LOWEST COST HIGHEST QUALITY SATISFACTION GUARANTEED



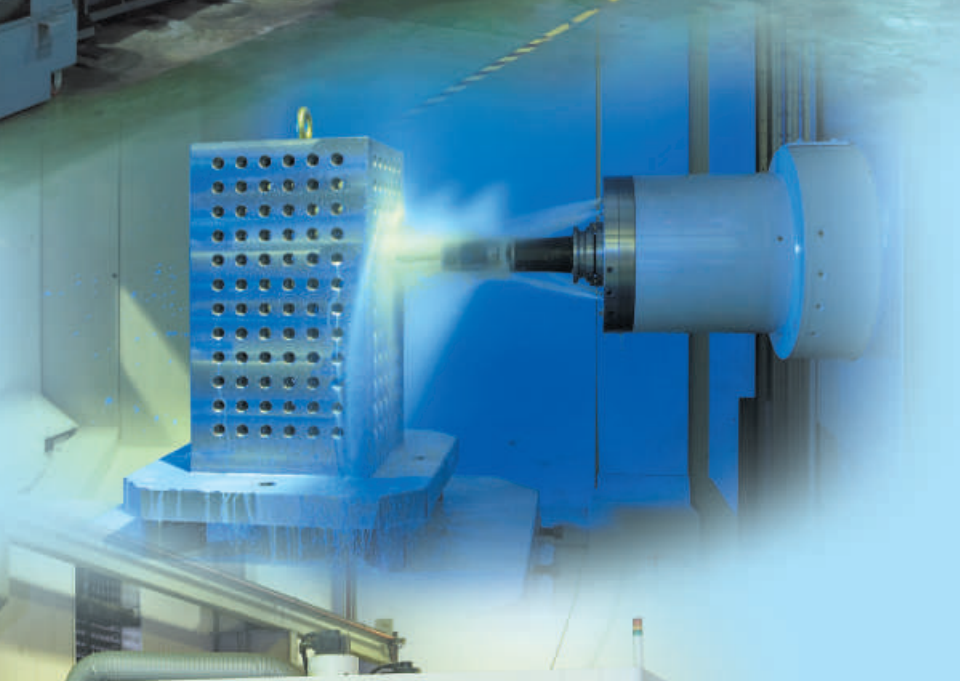
YASDA YBM 8T PRECISION CENTER



MAKINO A99E HMC



Production Area



Production Area



Large Capacity
Horizontal Machining Center

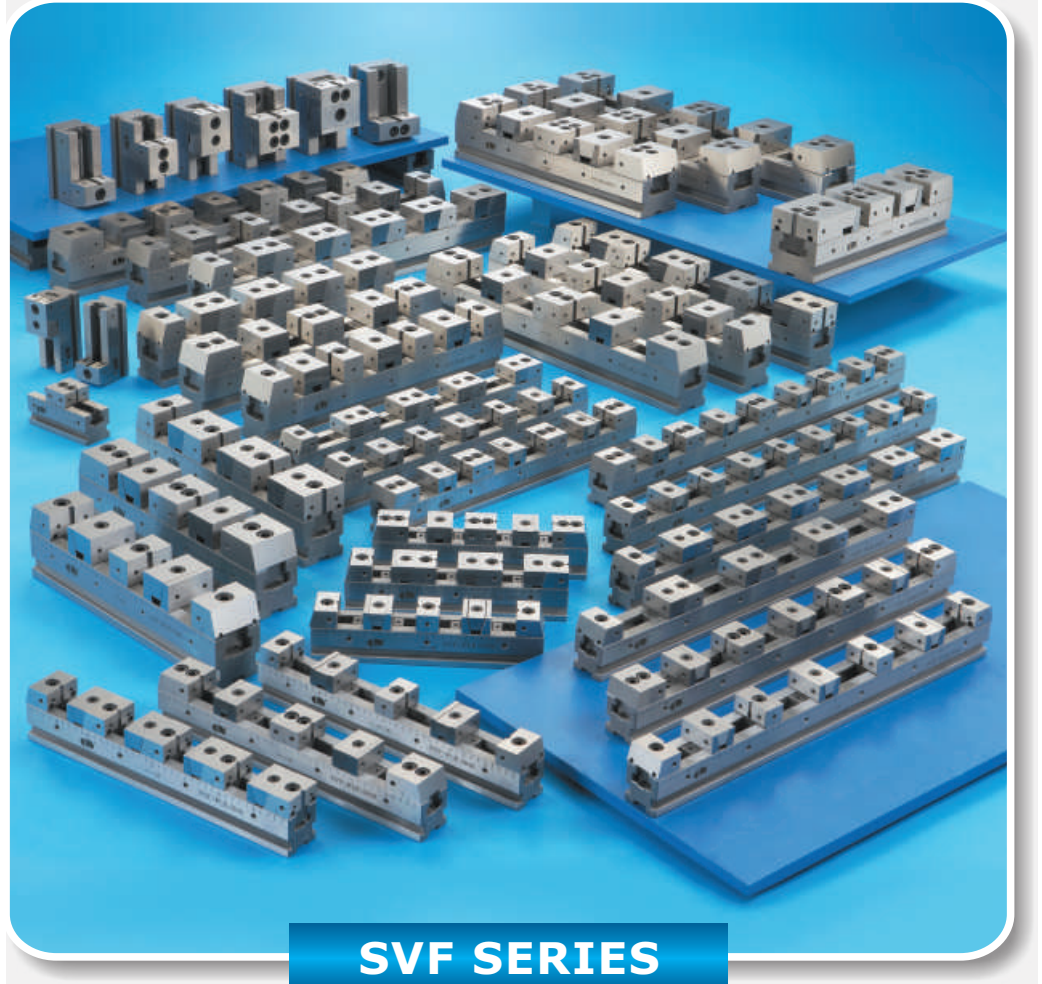
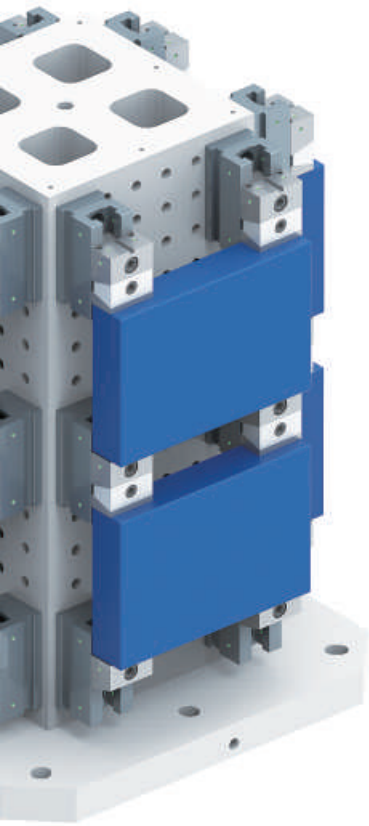


Q.C. Area



Production Area

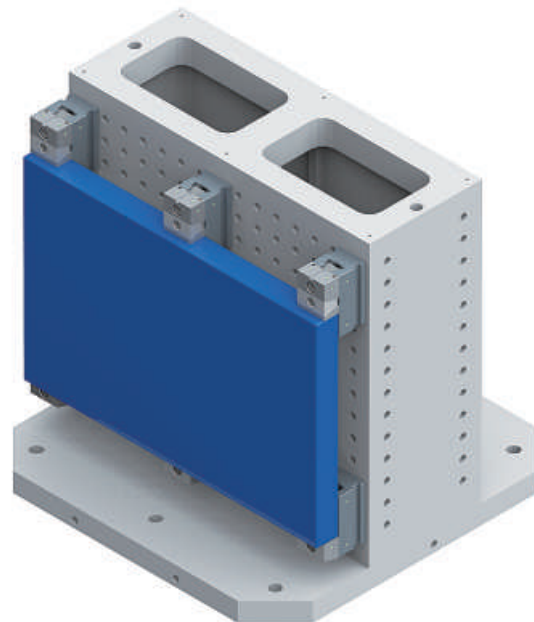




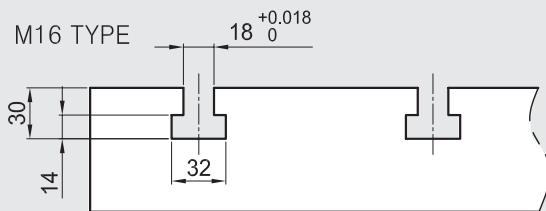
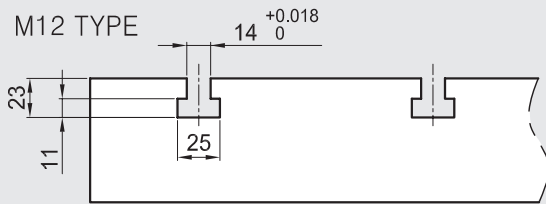
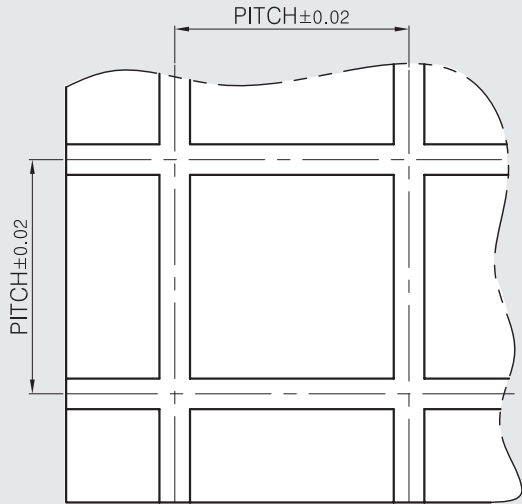
SVF SERIES



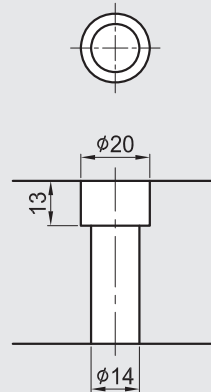
SVF SERIES



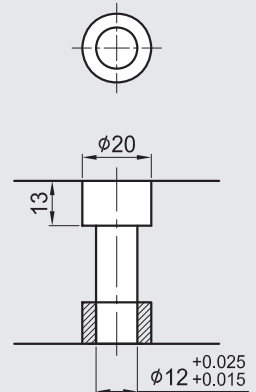
Various Holes and T-Slots Dimension on All "LEAVE" Fixtures "METRIC" Configuration



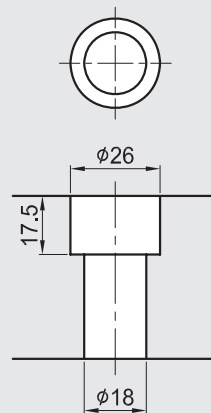
M12 Cap-Screw hole



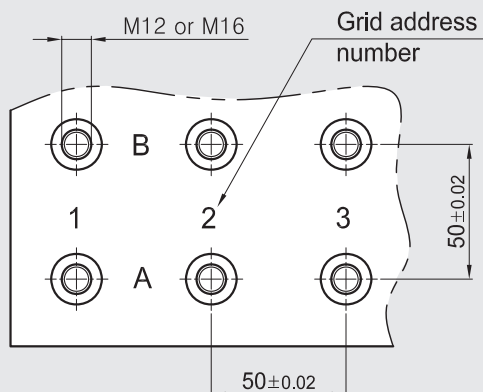
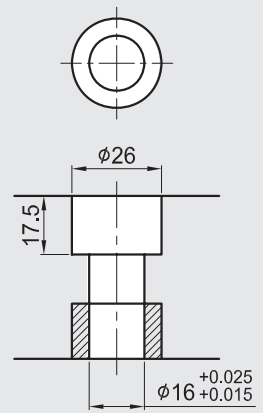
$\phi 12$ Location Bolt hole



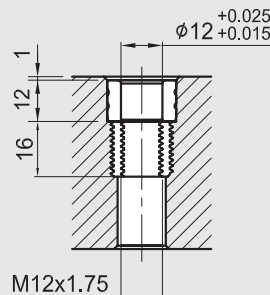
M16 Cap-Screw hole



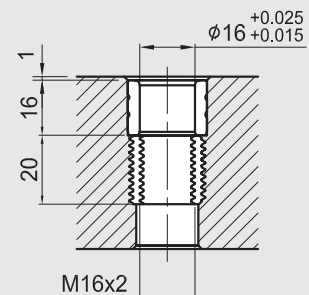
$\phi 16$ Location Bolt hole



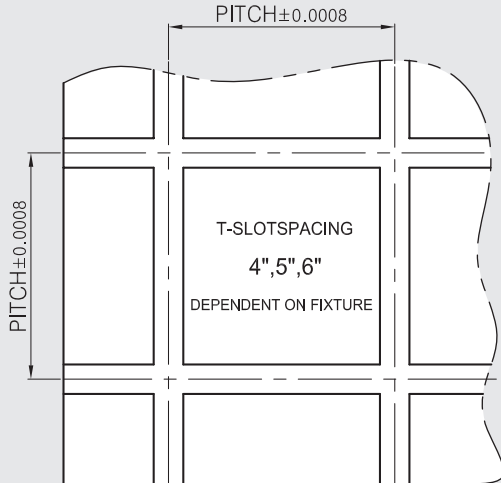
$\phi 12$ MTP hole



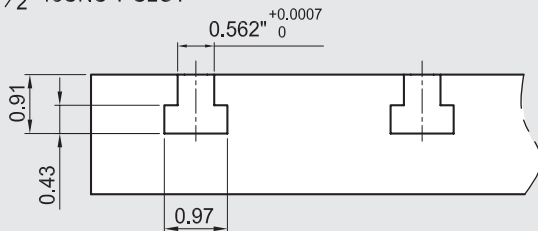
$\phi 16$ MTP hole



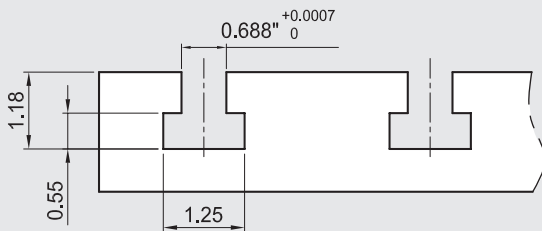
Various Holes and T-Slots Dimension on All "LEAVE" Fixtures "INCH" Configuration



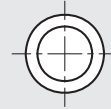
$\frac{1}{2}$ -13UNC T-SLOT



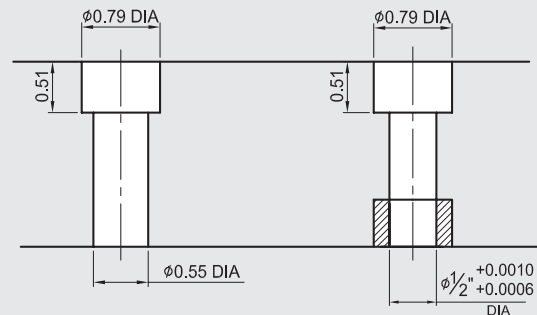
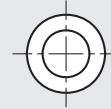
$\frac{5}{8}$ -11UNC T-SLOT



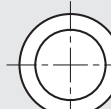
$\frac{1}{2}$ " Cap-Screw hole



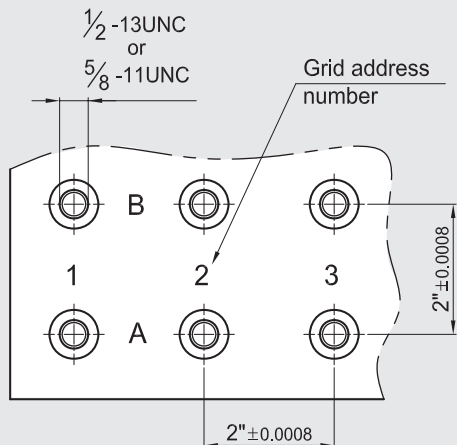
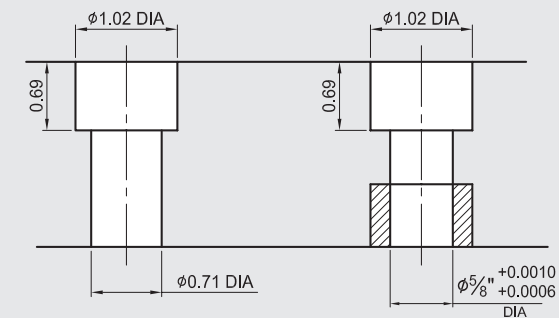
$\frac{1}{2}$ " Location Bolt hole



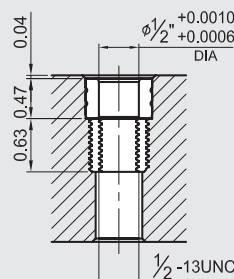
$\frac{5}{8}$ " Cap-Screw hole



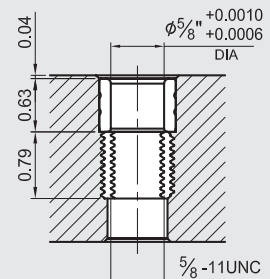
$\frac{5}{8}$ " Location Bolt hole

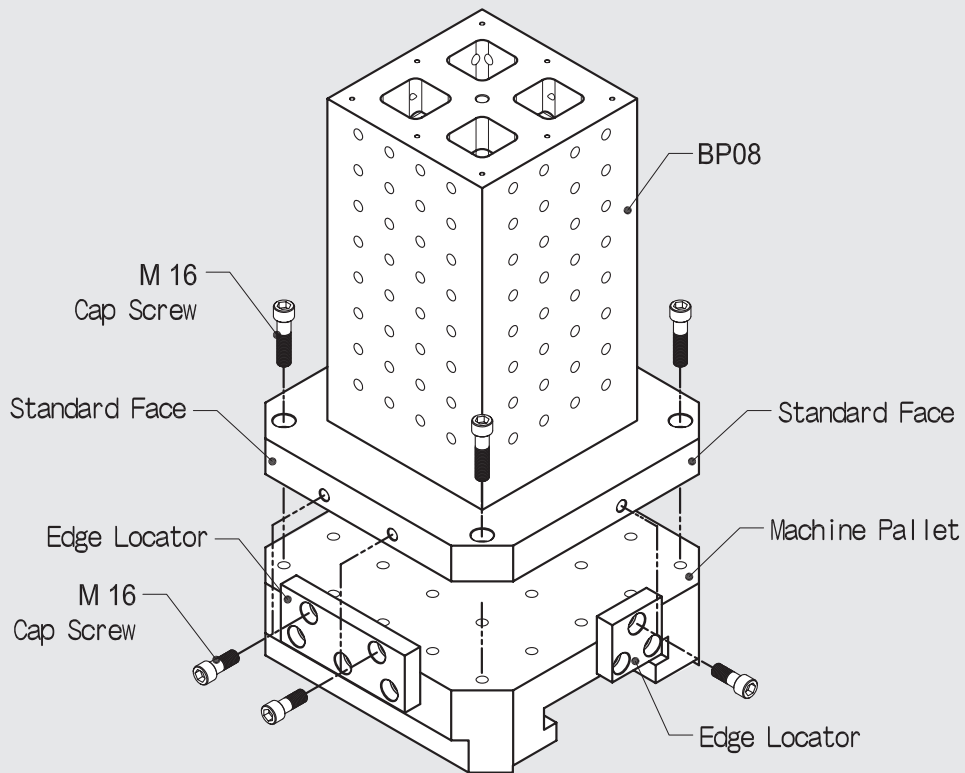
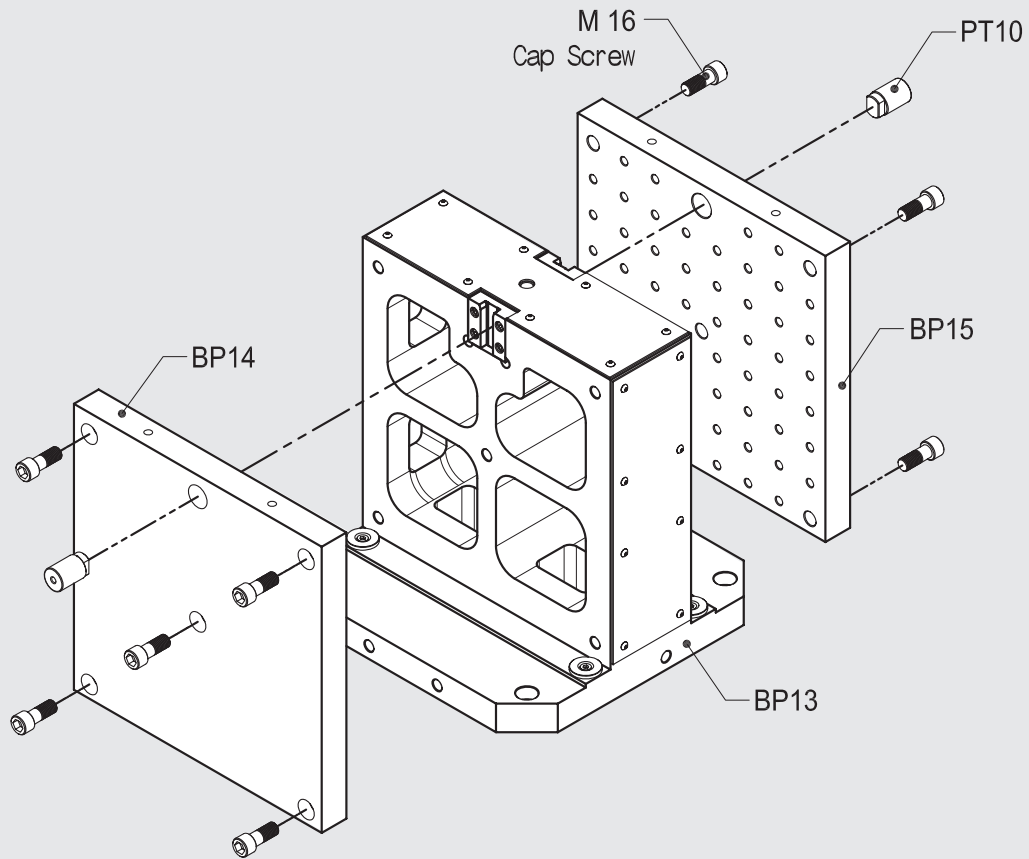


$\frac{1}{2}$ " DIA MTP hole



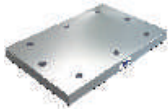
$\frac{5}{8}$ " DIA MTP hole





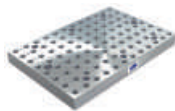
TOMBSTONES, SUB PLATES, ANGLE PLATES

BP01
M/C
BASE PLATE



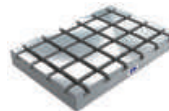
P.1-1

BP02
M/C
BASE PLATE



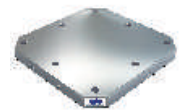
P.1-2

BP03
M/C
BASE PLATE



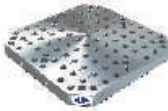
P.1-3

BP04
M/C
BASE PLATE



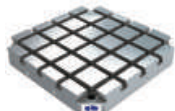
P.1-4

BP05
M/C
BASE PLATE



P.1-5

BP06
M/C
BASE PLATE



P.1-6

BP07
SQUARE TOOLING
COLUMN



P.1-7

BP08
SQUARE TOOLING
COLUMN



P.1-8

BP09
SQUARE TOOLING
COLUMN



P.1-9

BP10
DOUBLE SIDED
TOOLING COLUMN



P.1-10

BP11
DOUBLE SIDED
TOOLING COLUMN



P.1-11

BP12
DOUBLE SIDED
TOOLING COLUMN



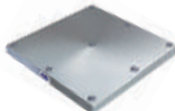
P.1-12

BP13
MODULAR
TOOLING
COLUMN



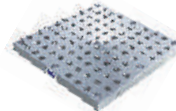
P.1-13

BP14
SUB-PLATE



P.1-14

BP15
SUB-PLATE



P.1-15

BP16
ROUND
BASE PLATE



P.1-16

BP17
ROUND
BASE PLATE



P.1-17

BP18
ROUND
BASE PLATE



P.1-18

BP18H-30
HAAS
RISER PLATE



P.1-19

BP18H-36
HAAS
RISER PLATE



P.1-19

BP20
M/C ANGLE
PLATE



P.1-20

BP21
M/C ANGLE
PLATE



P.1-21

BP22
M/C ANGLE
PLATE



P.1-22

BP22S-T
STACKING
ANGLE PLATE



P.1-23

BP22S-B
STACKING
ANGLE PLATE



P.1-24

BP23
MC NARROW
ANGLE PLATE



P.1-25

BP24
MC NARROW
ANGLE PLATE



P.1-26

BP25
RECTANGULAR
CAST SECTION



P.1-27

BP26
RECTANGULAR
CAST SECTION



P.1-28

BP27
RECTANGULAR
CAST SECTION



P.1-29

BP28
RECTANGULAR
CAST SECTION



P.1-30

BP29
CROSS TOOLING
COLUMN



P.1-31

BP30
CROSS TOOLING
COLUMN



P.1-32

BP31
HEXAGONAL
CUBE



P.1-33

BP32
HEXAGONAL
CUBE



P.1-34

BP33
OCTAGONAL
CUBE



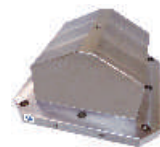
P.1-35

BP34
OCTAGONAL
CUBE



P.1-36

BP38
5AXIS TOOLING
COLUMN



P.1-37

BP39
5AXIS TOOLING
COLUMN



P.1-38

BP-SPECIAL
SPECIAL
DESIGN



P.1-39
P.1-40

AUX PARTS

INDEX

PT31
SHOULDER
BOLT



P.2-1

PT34
PROTECTION
PLUG



P.2-2

PT43
THREADED
INSERT



P.2-3

PT44
POSITIONING
BUSHING



P.2-3

PT60
STEP DOWEL PIN



P.2-4

PT61
THREAD
ADAPTER



P.2-4

SVF MODULAR VISE SYSTEM



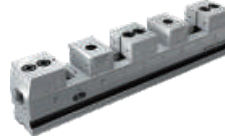
INDEX

SVF-A
FLEXIBLE LINE
UP VISE SERIES



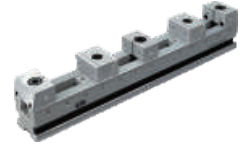
P.3-1
P.3-6

SVF-B
FLEXIBLE LINE
UP VISE SERIES



P.3-2
P.3-8

SVF-BE
FLEXIBLE LINE
UP VISE SERIES



P.3-3
P.3-10

SVF-C
FLEXIBLE LINE UP
VISE SERIES



P.3-4
P.3-13

SVF-CB
M/C OCTAGONAL
CUBE



P.3-20

SVFX
INDEXING
TABLE



P.3-21
P.3-22



TOMBSTONES, SUB PLATES, ANGLE PLATES

BP01~BP34, BP-SPECIAL



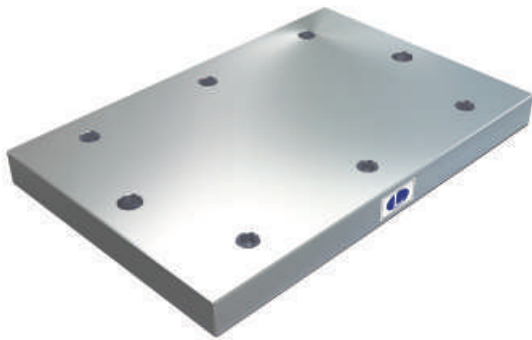
M/C BASE PLATE M/C CLAMPING CUBE M/C DOUBLE-SIDED ANGLE PLATE



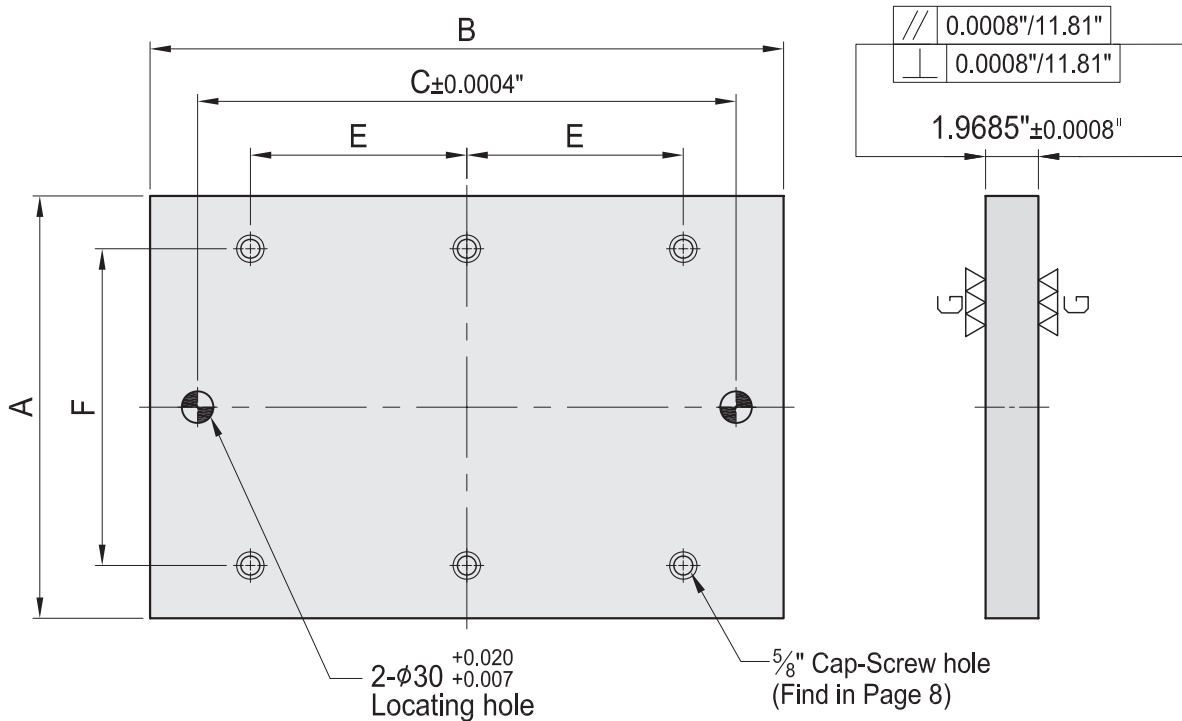


BP01

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Surface ground Top & Bottom.
- Special design welcome.
Up to 10'x32'



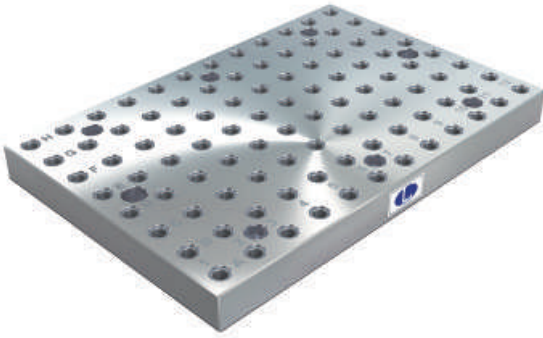
PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	E"	F"	lb
BP01-50400-0600	15.75	23.62	20	As Required		178
BP01-50500-0600	19.69					215
BP01-50600-0600	23.62					257
BP01-50400-0800	15.75	31.50	28	As Required		229
BP01-50450-0900	17.72	35.43	32			288
BP01-50500-1000	19.69	39.37	36	As Required		356
BP01-50600-1200	23.62	47.24	44			518

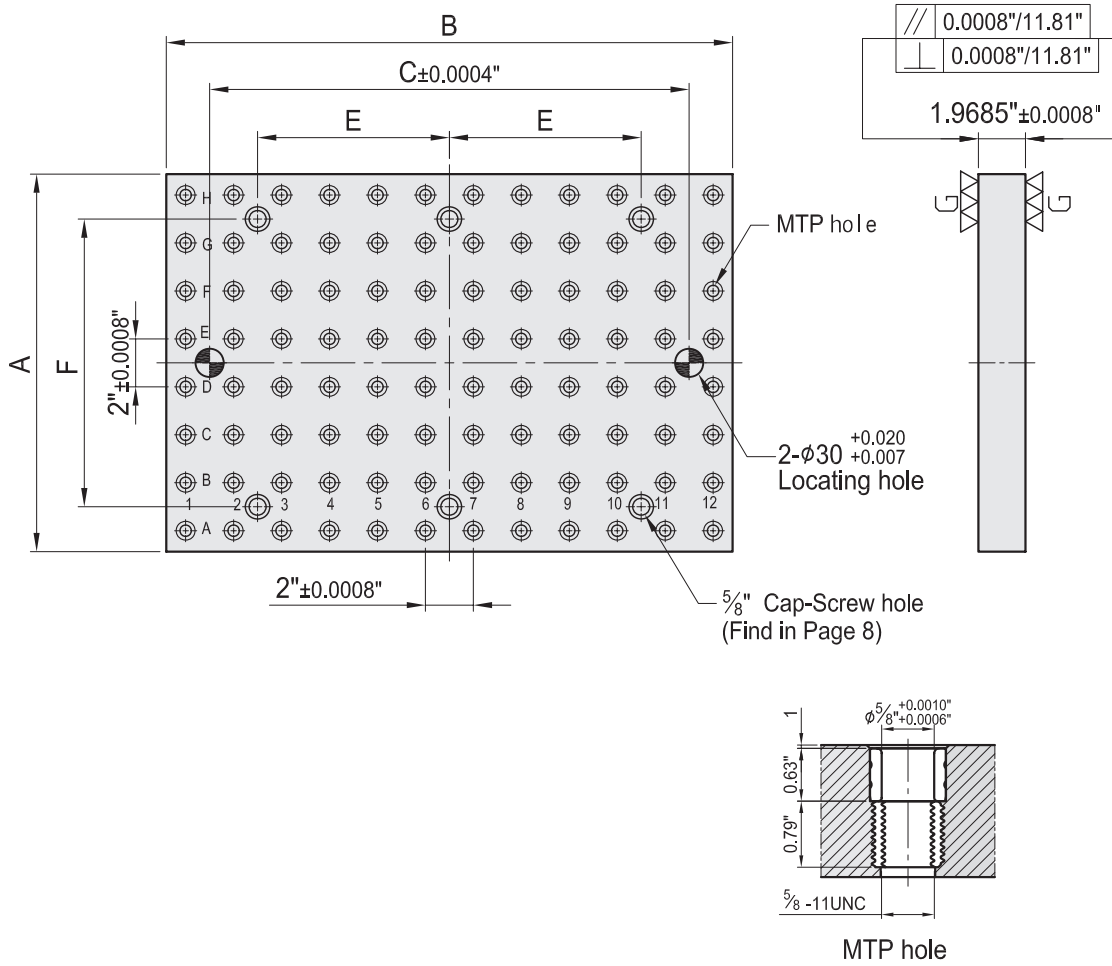
*Easily configured to meet your special needs.

BP02

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: 2"±0.0008"
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.
Up to 10'x32'
- X-Y Coordinates Engraved



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	E"	F"	MTP	lb
BP02-50400-0600-5	15.75	23.62	20	As Required		96	196
BP02-50500-0600-5	19.69					120	238
BP02-50600-0600-5	23.62					144	265
BP02-50400-0800-5	15.75	31.50	28	As Required		128	238
BP02-50450-0900-5	17.72	35.43	32			158	295
BP02-50500-1000-5	19.69	39.37	36	As Required		200	362
BP02-50600-1200-5	23.62	47.24	44			288	529

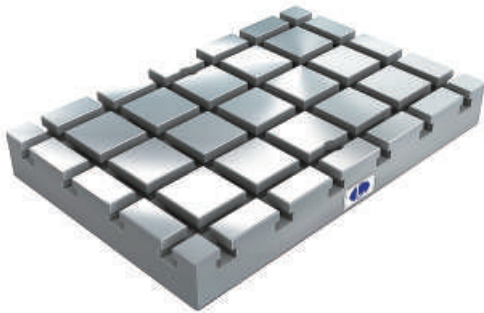
*Easily configured to meet your special needs.

*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

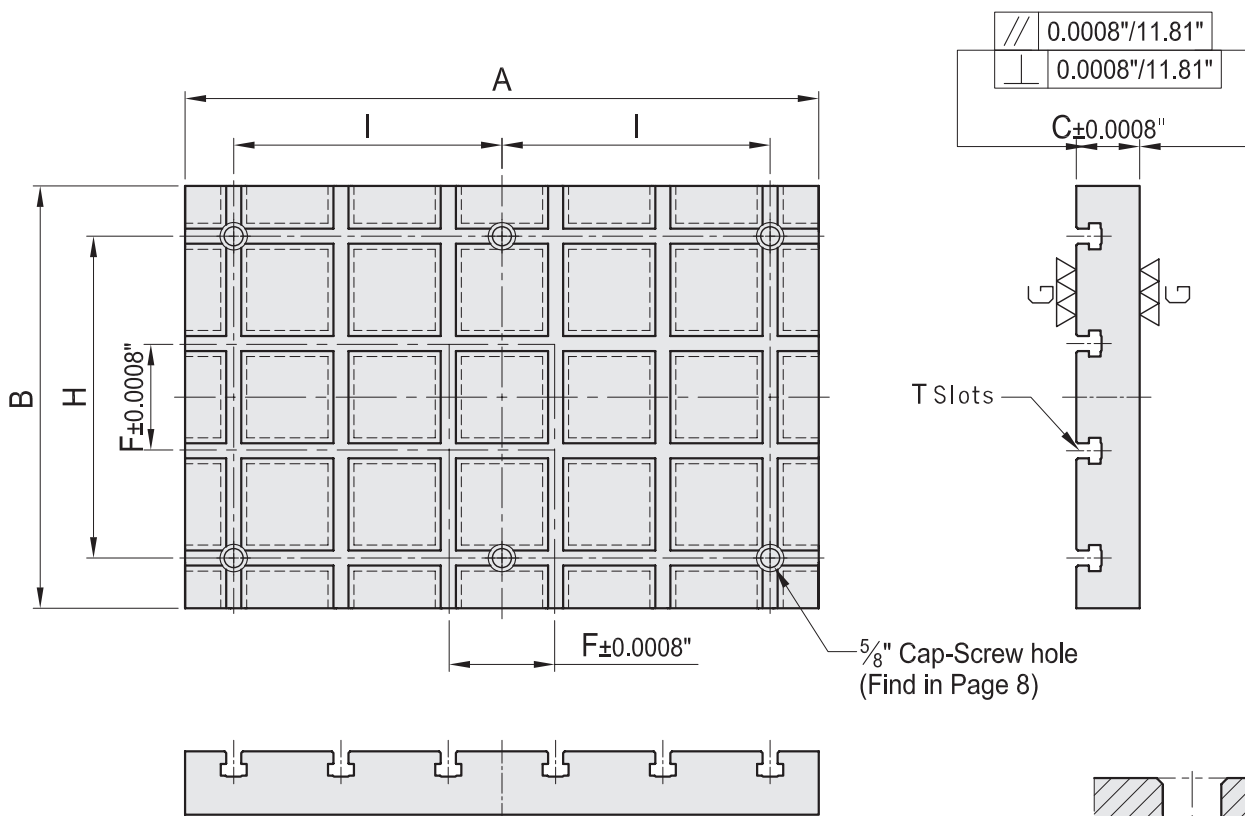


BP03

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running in 2 directions, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.
Up to 10'x32'



See Page 8 for T Slot dimensions

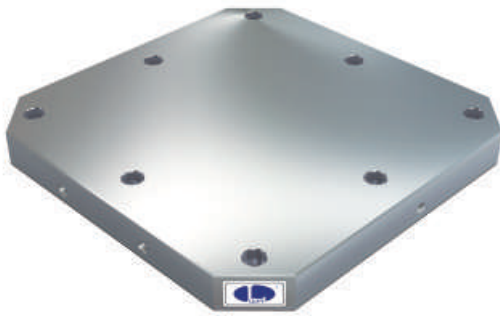
PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	F"	H"	I"	Ib
BP03-75400-0600-5	23.62	15.75	2.95	4	As Required		260
BP03-75500-0600-5	23.62	19.69	2.95	4	As Required		324
BP03-75600-0600-5	23.62	23.62	2.95	4	As Required		381
BP03-75400-0800-5	31.50	15.75	2.95	4	As Required		333
BP03-75450-0900-5	35.43	17.72	2.95	4	As Required		401
BP03-75500-1000-5	39.37	19.69	2.95	4	As Required		503
BP03-75600-1200-5	47.24	23.62	2.95	4	As Required		725

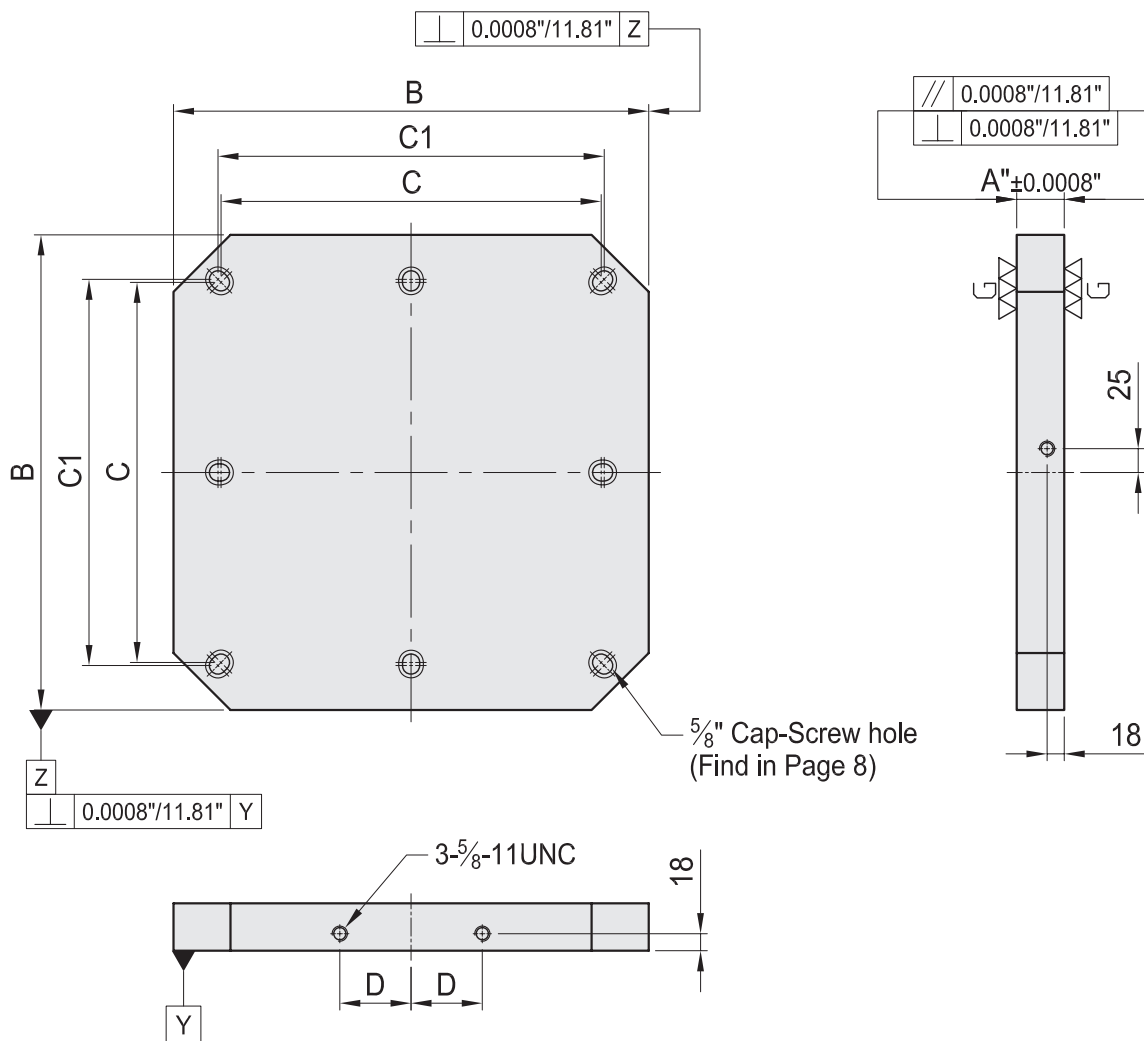
*Easily configured to meet your special needs.
*Available with 1/2", 5/8" or MM T Slots.

BP04

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Application: Horizontal Machining Center.
- Features: Ready to accept a hole pattern for your special jig.
- Surface ground Top & Bottom.
- Special design welcome.
Up to 10'x10'
- Base Plates are designed to fit both Inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

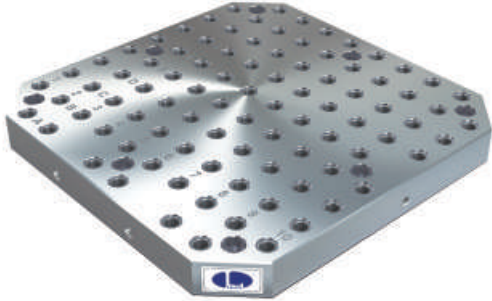
MODEL NO.	A"	B	C	C1"	D	Mounting holes	lb
BP04-50400-0400	1.97	400	15.75"	320	11.81	4	126
BP04-50500-0500	1.97	500	19.69"	400	16.00	8	194
BP04-50630-0630	1.97	630	24.80"	500	20.00	8	309
BP04-50800-0800	1.97	800	31.50"	630	25.00	8	496

*Easily configured to meet your special needs.

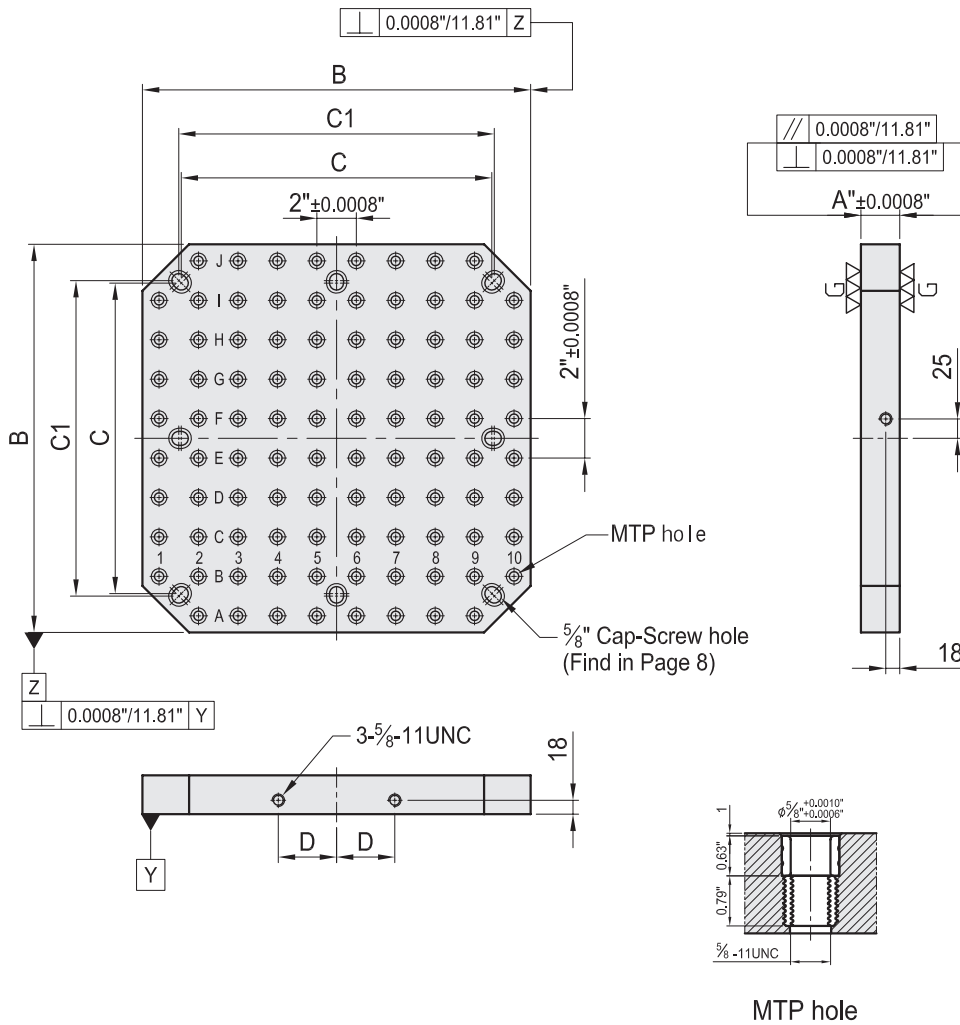


BP05

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated(Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Application: Horizontal Machining Center.
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.
- Up to 10'x32'
- Base Plates are designed to fit both Inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

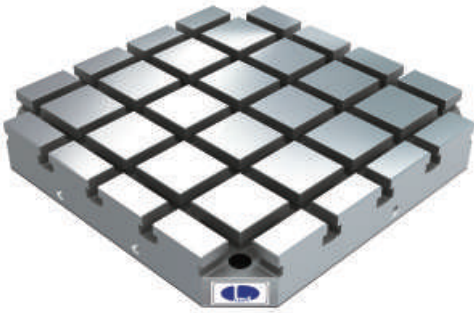
MODEL NO.	A"	B	C	C1"	D	MTP	Mounting holes	lb	
BP05-50400-0400-5	1.97	400	15.75"	320	11.81	55	59	4	115
BP05-50500-0500-5	1.97	500	19.69"	400	16.00	75	93	8	176
BP05-50630-0630-5	1.97	630	24.80"	500	20.00	100	139	8	287
BP05-50800-0800-5	1.97	800	31.50"	640	25.00	135	229	8	450

*Easily configured to meet your special needs.

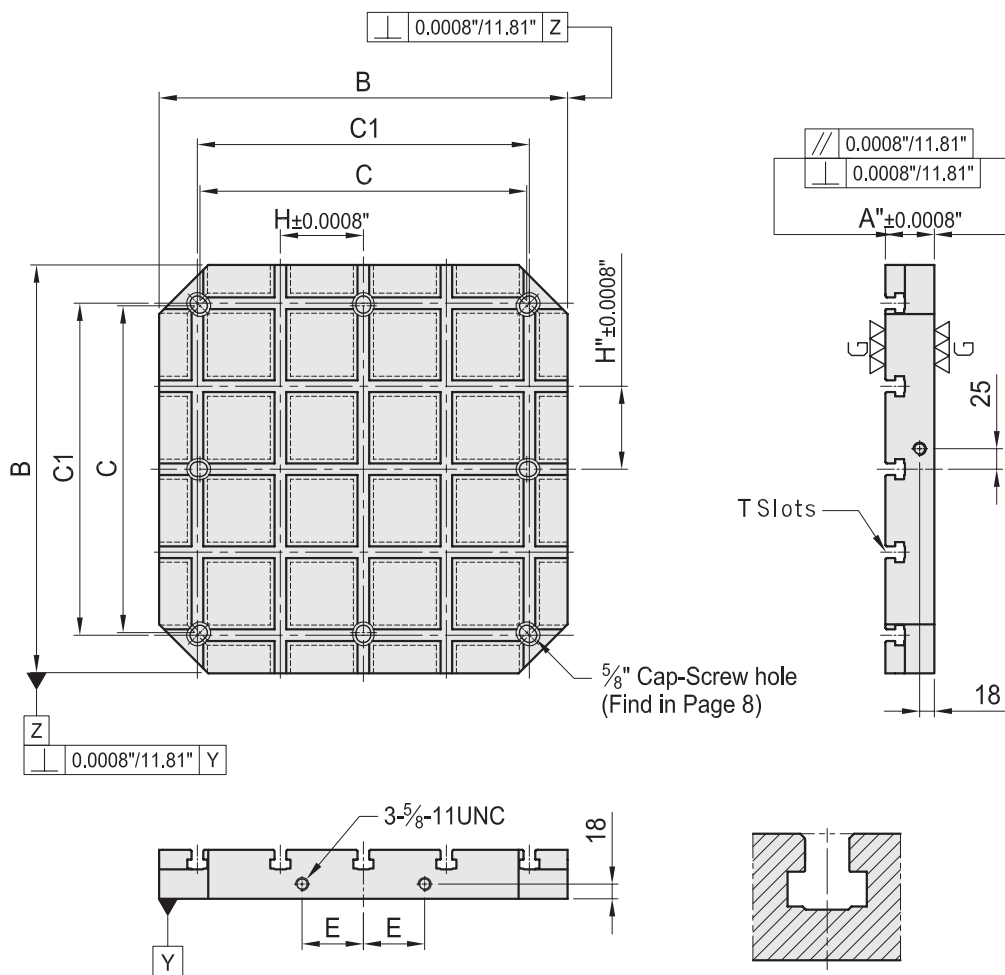
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP06

M/C BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Application: Horizontal Machining Center.
- Features: T-Slots running in 2 directions, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.
- Up to 10'x32'
- Base Plates are designed to fit both Inch & MM pallets.



See Page 8 for T Slot dimensions

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MODEL NO.	A"	B	C	C1"	E	H"	Mounting holes	lb
BP06-75400-0400-5	2.95	400	15.75"	320	11.81	55	4	150
BP06-75500-0500-5	2.95	500	19.69"	400	16.00	75	8	238
BP06-75630-0630-5	2.95	630	24.80"	500	20.00	100	8	397
BP06-75800-0800-5	2.95	800	31.50"	640	25.00	135	8	650

*Easily configured to meet your special needs.
*Available with 1/2", 5/8" or MM T Slots.

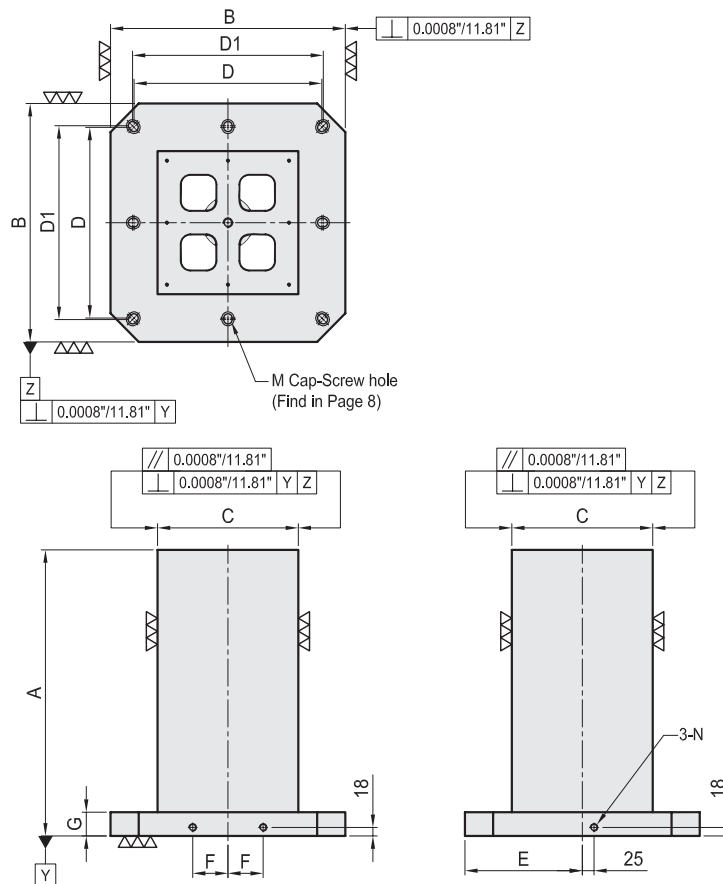


BP07

SQUARE TOOLING COLUMN

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Application: Horizontal Machining Center.
- Features: Ready to accept a hole pattern for your special jig.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
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MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	M"	N"	Mounting holes	lb	
BP07-300300-0500	19.69	300	11.81"	5.91	250	10.00	5.91	40	1.97	1/2	1/2	4	198
BP07-400400-0500	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	5/8	5/8	4	353
BP07-400400-0650	25.59												463
BP07-400400-0822	22.00	400	15.75"	8.00	320	11.81	7.87	55	1.97	5/8	5/8	4	342
BP07-500500-0600	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	5/8	5/8	8	551
BP07-500500-0750	29.53												684
BP07-630630-0700	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	5/8	5/8	8	882
BP07-630630-0850	33.46												1014
BP07-630630-1830	30.00	630	24.80"	18.00	500	20.00	12.40	100	1.97	5/8	5/8	8	1135
BP07-800800-0800	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	5/8	5/8	8	1499
BP07-800800-1000	39.37												1764
BP07-10001000-1000	39.37	1000	39.37"	23.62	-	-	19.69	-	2.17	3/4	5/8	8	2567
BP07-10001000-1250	49.21												3067

* Easily configured to meet your special needs

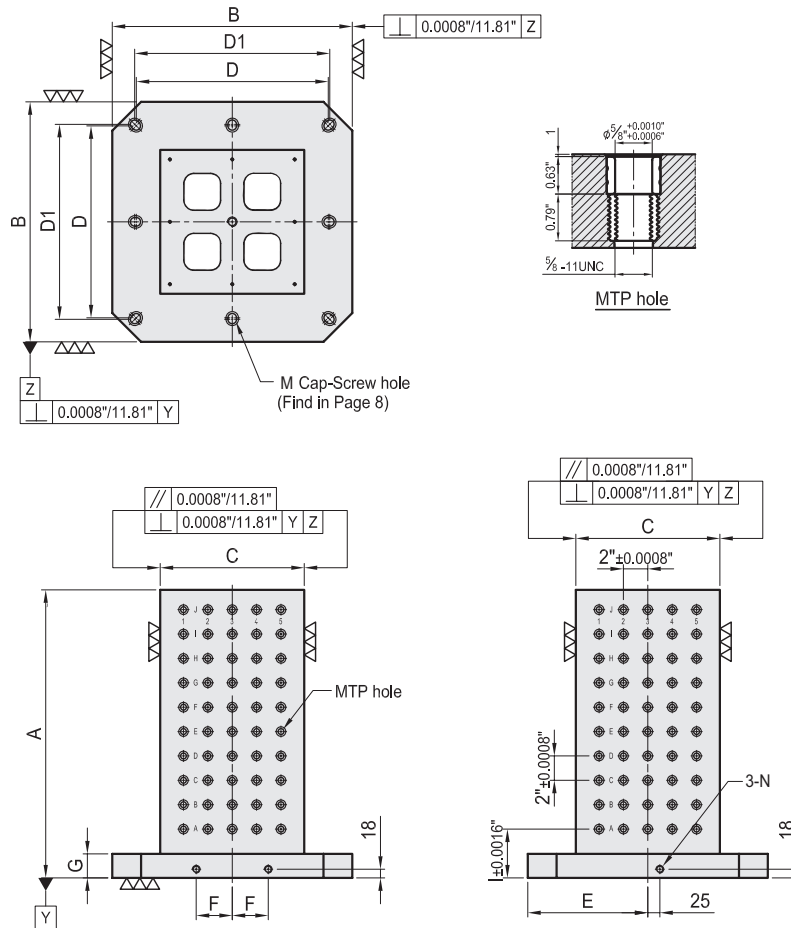


BP08

SQUARE TOOLING COLUMN

- Material: Cast Iron FC300 (JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: 2" ± 0.0008"
- Application: Horizontal Machining Center.
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



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MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	M"	N"	I"	MTP	Mounting holes	lb	
BP08-400400-0500-5	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	5/8	5/8	4	128	4	335
BP08-400400-0650-5	25.59												176		430
BP08-500500-0600-5	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	5/8	5/8	4	200	8	518
BP08-500500-0750-5	29.53												260		650
BP08-630630-0700-5	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	5/8	5/8	4	288	8	805
BP08-630630-0850-5	33.46												360		970
BP08-800800-0800-5	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	5/8	5/8	5	468	8	1389
BP08-800800-1000-5	39.37												612		1698
BP08-10001000-1000-5	39.37	1000	39.37"	23.62	-	-	19.69	-	2.17	3/4	5/8	5	792	8	2567
BP08-10001000-1250-5	49.21												1012		3067

*Easily configured to meet your special needs.

*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"



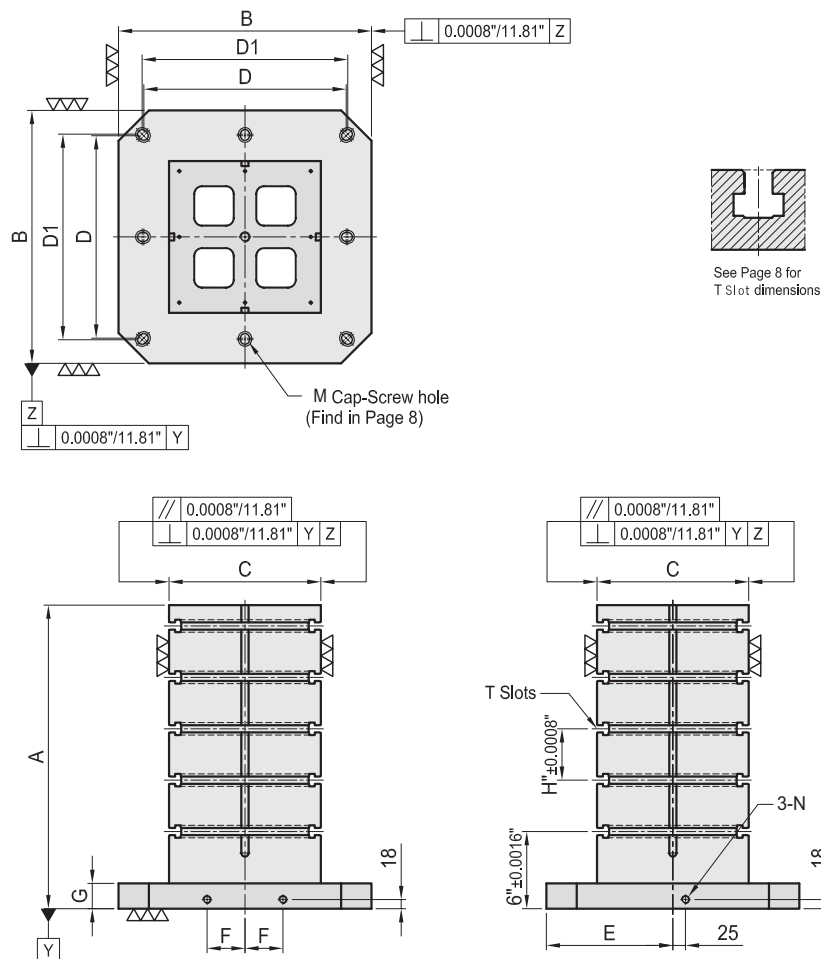
BP09

SQUARE TOOLING COLUMN



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running horizontally, key-way running vertically, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	M"	N"	H"	Mounting holes	lb
BP09-400400-0500-5	19.69	400 15.75"	9.84	320	11.81	7.87	55	1.97	5/8	5/8	4	4	342
BP09-400400-0650-5	25.59												419
BP09-500500-0600-5	23.62	500 19.69"	11.81	400	16.00	9.84	75	1.97	5/8	5/8	4	8	584
BP09-500500-0750-5	29.53												639
BP09-630630-0700-5	27.56	630 24.80"	13.78	500	20.00	12.40	100	1.97	5/8	5/8	5	8	805
BP09-630630-0850-5	33.46												992
BP09-800800-0800-5	31.50	800 31.50"	19.69	640	25.00	15.75	135	1.97	5/8	5/8	6	8	1407
BP09-800800-1000-5	39.37												1742
BP09-10001000-1000-5	39.37	1000 39.37"	23.62	-	-	19.69	-	2.17	3/4	5/8	6.5	8	2527
BP09-10001000-1250-5	49.21												2994

*Easily configured to meet your special needs.

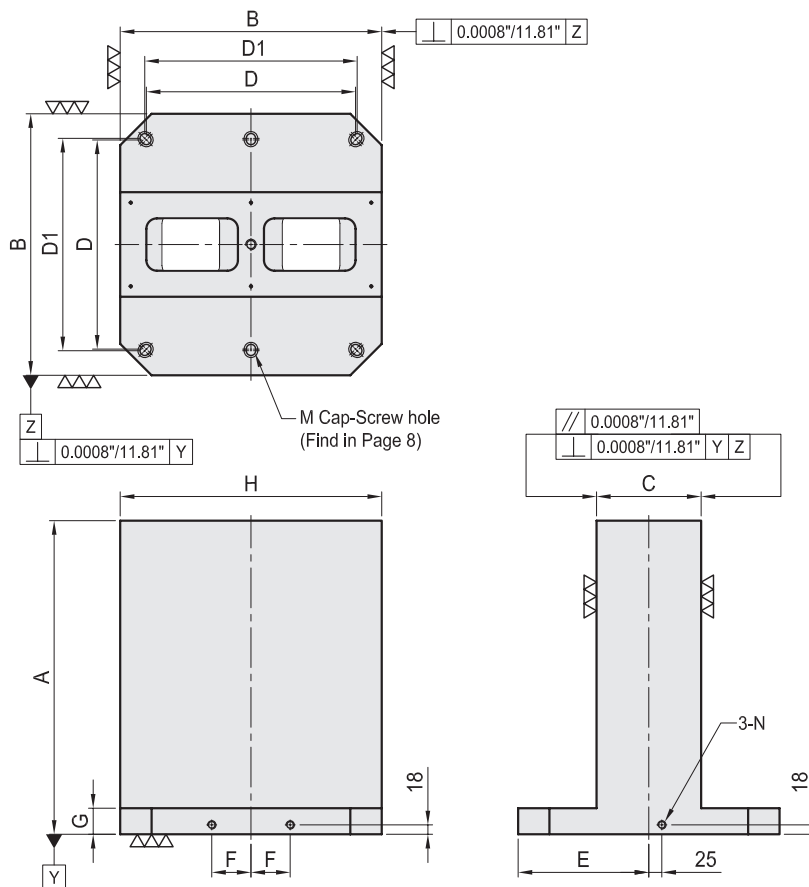


BP10

DOUBLE SIDED TOOLING COLUMN

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



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PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	M"	N"	Mounting holes	lb	
BP10-300300-0500	19.69	300	11.81"	3.15	250	10.00	5.91	40	1.97	11.81	1/2	1/2	4	254
BP10-400400-0500	19.69	400	15.75"	5.91	320	11.81	7.87	55	1.97	15.75	5/8	5/8	4	375
BP10-400400-0650	25.59													474
BP10-500500-0600	23.62	500	19.69"	7.87	400	16.00	9.84	75	1.97	19.69	5/8	5/8	6	595
BP10-500500-0750	29.53													772
BP10-630630-0700	27.56	630	24.80"	9.84	500	20.00	12.40	100	1.97	24.80	5/8	5/8	6	981
BP10-630630-0850	33.46													1147
BP10-800800-0800	31.50	800	31.50"	11.81	640	25.00	15.75	135	1.97	31.50	5/8	5/8	6	1488
BP10-800800-1000	39.37													1797
BP10-10001000-1000	39.37	1000	39.37"	13.78	-	-	19.69	-	2.17	39.37	3/4	3/4	6	2562
BP10-10001000-1250	49.21													3036

*Easily configured to meet your special needs.



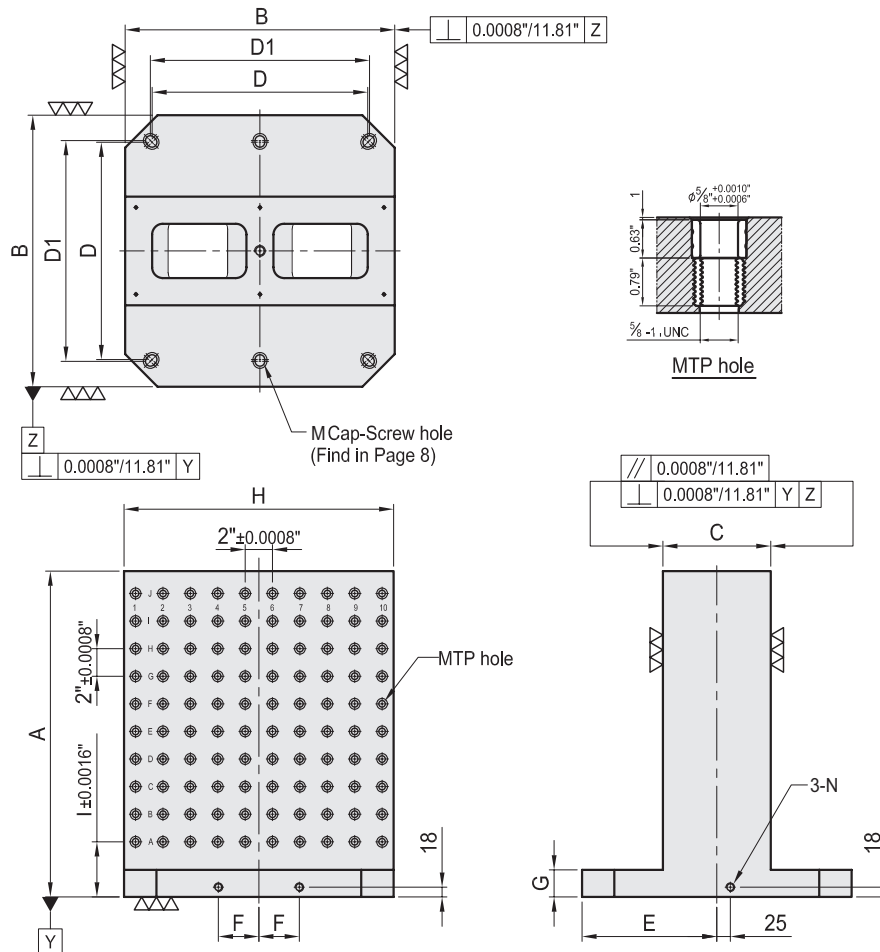
BP11

DOUBLE SIDED TOOLING COLUMN



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



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PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	M"	N"	H"	I"	MTP	Mounting holes	lb
BP11-400400-0500-5	19.69	400	15.75"	5.91	320	11.81	7.87	55	1.97	5/8	5/8	15.75	4	128	353
BP11-400400-0650-5	25.59												176	4	452
BP11-500500-0600-5	23.62	500	15.75"	7.87	400	16.00	9.84	75	1.97	5/8	5/8	19.69	4	200	573
BP11-500500-0750-5	29.53												260	6	728
BP11-630630-0700-5	27.56	630	24.80"	9.84	500	20.00	12.40	100	1.97	5/8	5/8	24.80	4	288	948
BP11-630630-0850-5	33.46												360	6	1114
BP11-800800-0800-5	31.50	800	31.50"	11.81	640	25.00	15.75	135	1.97	5/8	5/8	31.50	5	390	1433
BP11-800800-1000-5	39.37												510	6	1742
BP11-10001000-1000-5	39.37	1000	39.37"	13.78	-	-	19.69	-	2.17	3/4	5/8	39.37	5	646	2553
BP11-10001000-1250-5	49.21												836	6	3032

*Easily configured to meet your special needs.

*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

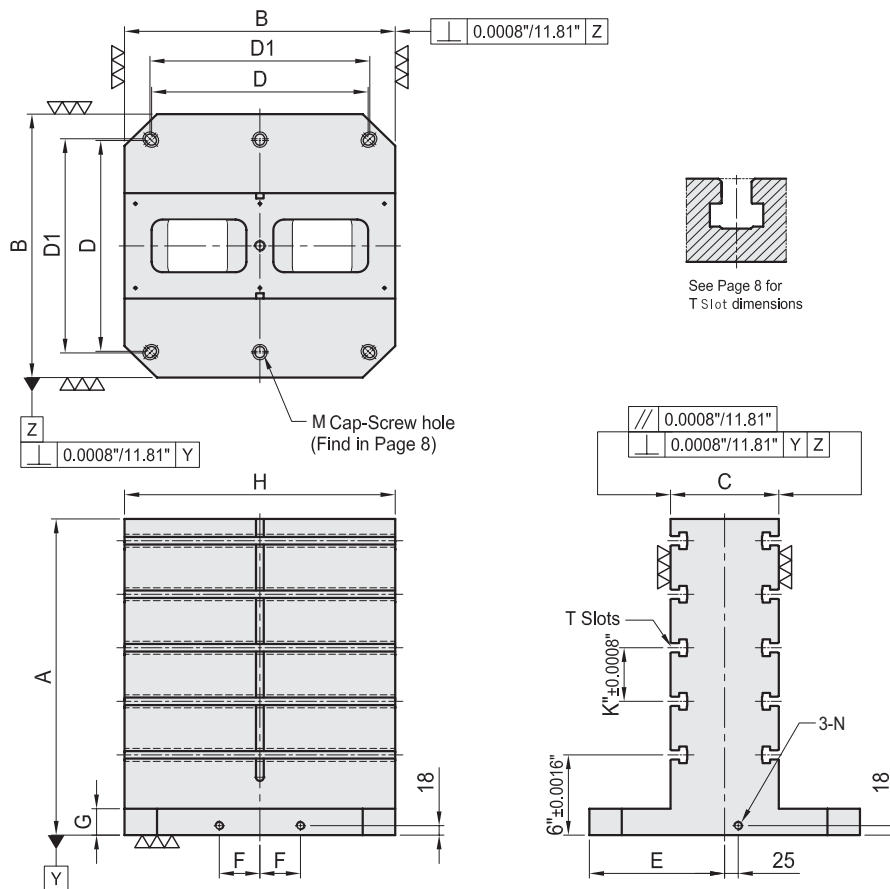


BP12

DOUBLE SIDED TOOLING COLUMN

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running horizontally, key-way running vertically, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	M"	N"	H"	K"	Mounting holes	lb
BP12-400400-0500-5	19.69	400	15.75"	5.91	320	11.81	7.87	55	1.97	5/8	5/8	15.75	4	364
BP12-400400-0650-5	25.59													463
BP12-500500-0600-5	23.62	500	19.69"	7.87	400	16.00	9.84	75	1.97	5/8	5/8	19.69	4	617
BP12-500500-0750-5	29.53													717
BP12-630630-0700-5	27.56	630	24.80"	9.84	500	20.00	12.40	100	1.97	5/8	5/8	24.80	5	948
BP12-630630-0850-5	33.46													1103
BP12-800800-0800-5	31.50	800	31.50"	11.81	640	25.00	15.75	135	1.97	5/8	5/8	31.50	6	1455
BP12-800800-1000-5	39.37													1731
BP12-10001000-1000-5	39.37	1000	39.37"	13.78	-	-	19.69	-	2.17	3/4	5/8	39.37	6	2553
BP12-10001000-1250-5	49.21													3032

*Easily configured to meet your special needs.
*Available with 1/2", 5/8" or MM T Slots.

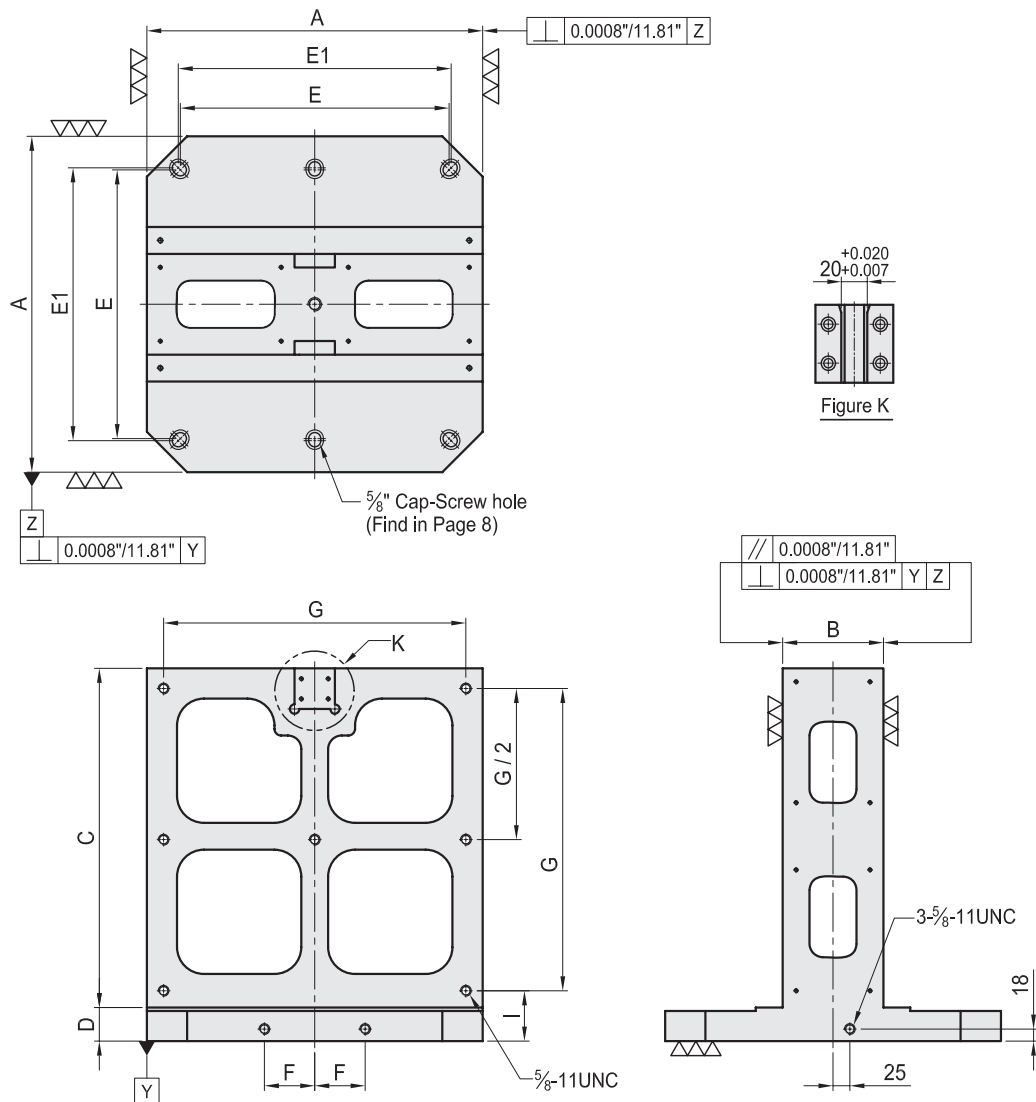


BP13

MODULAR TOOLING COLUMN

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Modular quick-change system, simple 3 point mounting, use with BP14 & BP15 subplates.
- Eye bolt, top cover & side covers included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.

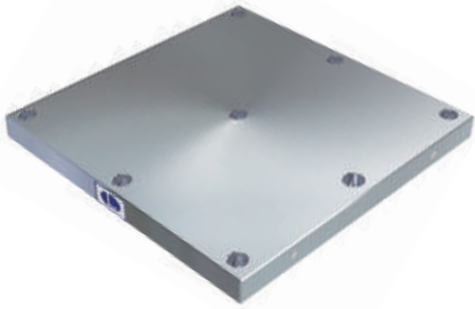


PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

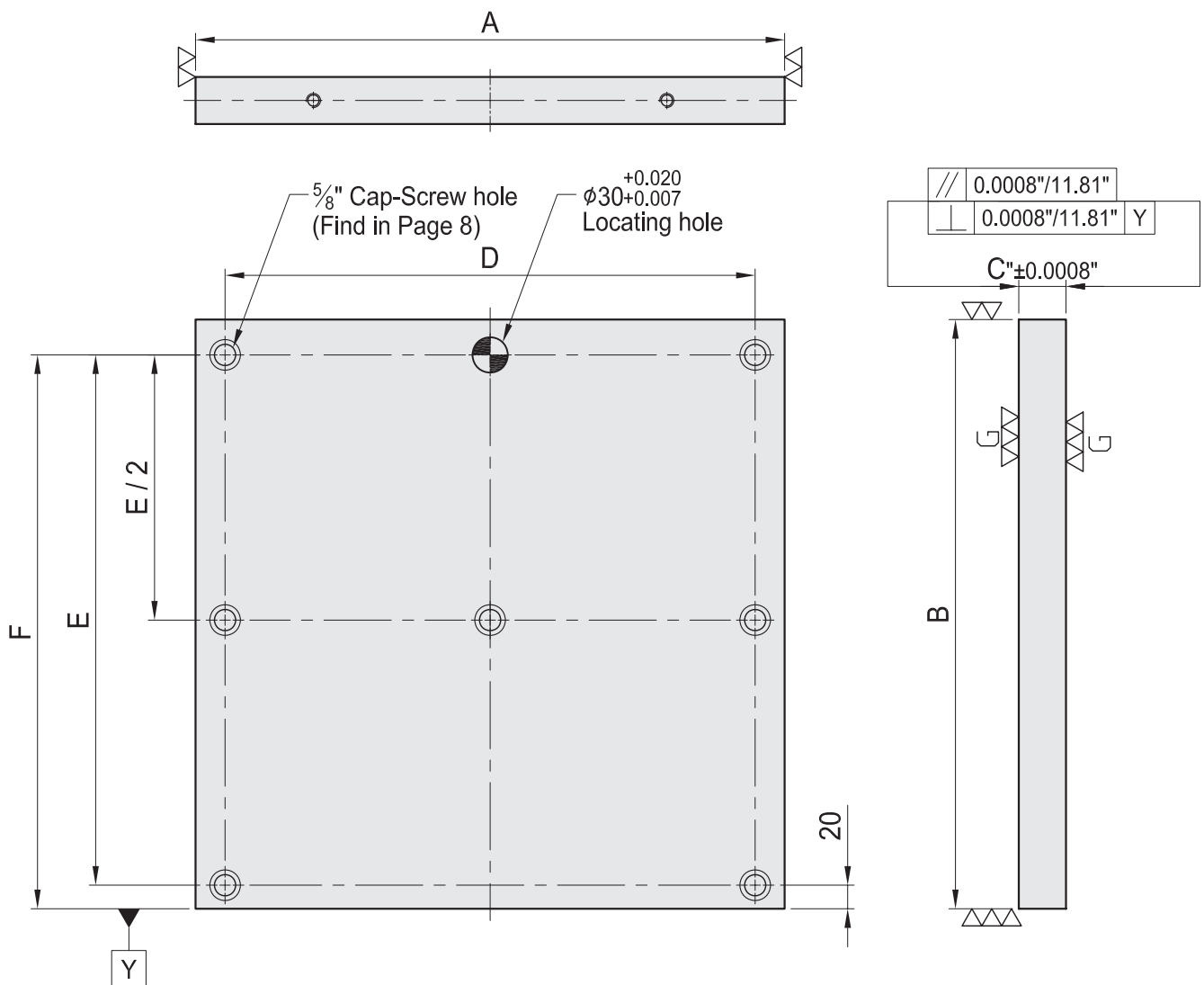
MODEL NO.	A	B"	C"	D"	E	E1"	F	G"	I	Mounting holes	lb	
BP13-400400-0450	400	15.75"	5.12	15.94	1.97	320	11.81	55	13.78	70	4	276
BP13-500500-0555	500	19.69"	5.91	19.88	2.17	400	16.00	75	17.72	75	6	392
BP13-630630-0690	630	24.80"	8.66	25.00	2.36	500	20.00	100	22.83	80	6	772
BP13-800800-0860	800	31.50"	9.85	31.69	2.36	640	25.00	135	29.53	80	6	1136

BP14

SUB-PLATE



- For Use With BP13 Modular Tombstone
- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Application: Modular quick change subplate, use with BP13.
- Features: Ready to accept a hole pattern for your special jig.
- Surface ground Top & Bottom.
- Special design welcome.



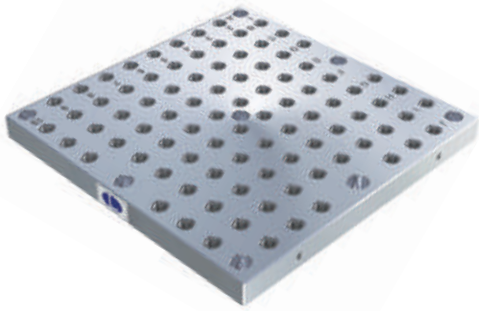
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MODEL NO.	A	B	C"	D"	E"	F"	lb		
BP14-40400-0400	400	15.75"	400	15.75"	1.57	13.78	13.78	14.57	101
BP14-40500-0500	500	19.69"	500	19.69"	1.57	17.72	17.72	18.50	159
BP14-40630-0630	630	24.80"	630	24.80"	1.57	22.83	22.83	23.62	251
BP14-50800-0800	800	31.50"	800	31.50"	1.97	29.53	29.53	30.32	512

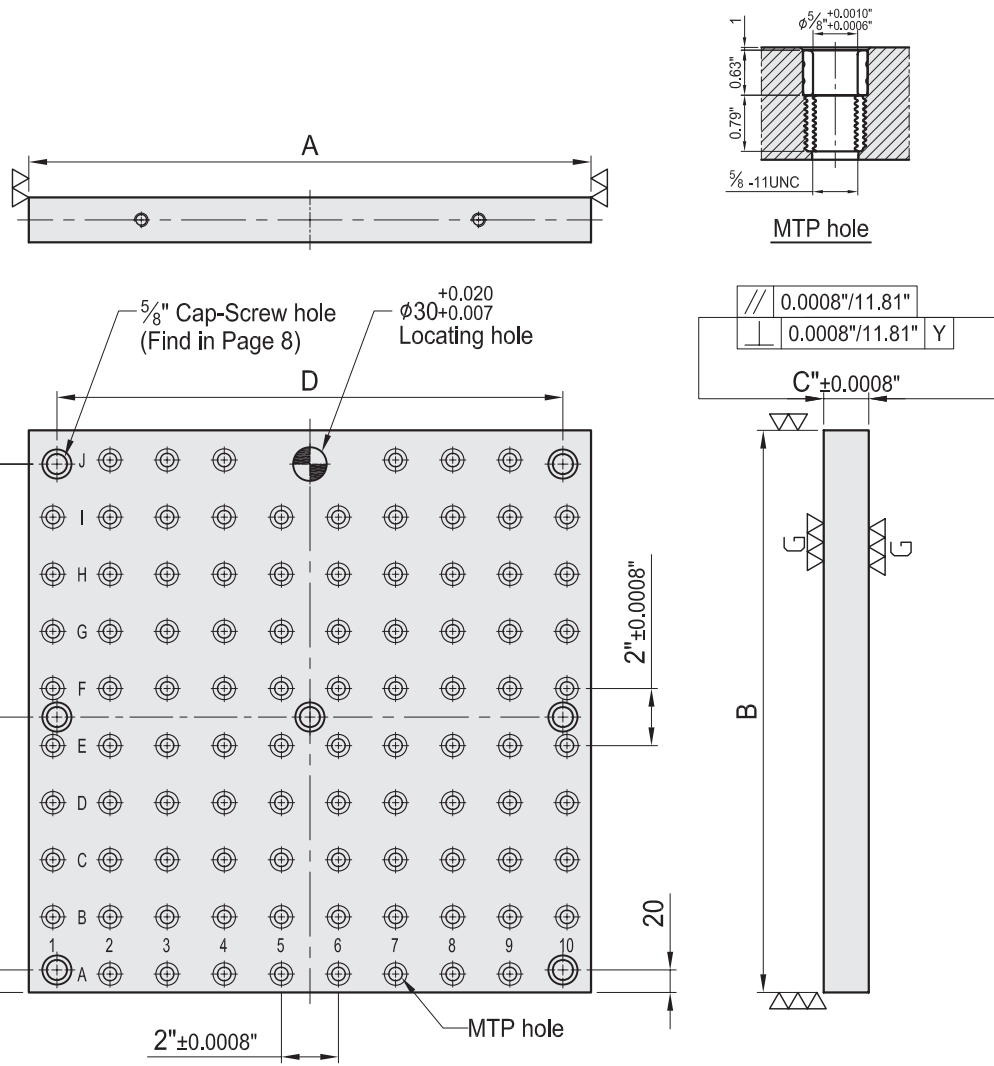


BP15

SUB-PLATE



- For Use With BP13 Modular Tombstone
- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Application: Modular quick change subplate, use with BP13.
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.



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PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A	B	C"	D"	E"	F"	MTP	lb		
BP15-40400-0400-5	400	15.75"	400	15.75"	1.57	13.78	13.78	14.57	58	90
BP15-40500-0500-5	500	19.69"	500	19.69"	1.57	17.72	17.72	18.50	90	148
BP15-40630-0630-5	630	24.80"	630	24.80"	1.57	22.83	22.83	23.62	138	232
BP15-50800-0800-5	800	31.50"	800	31.50"	1.97	29.53	29.53	30.32	246	474

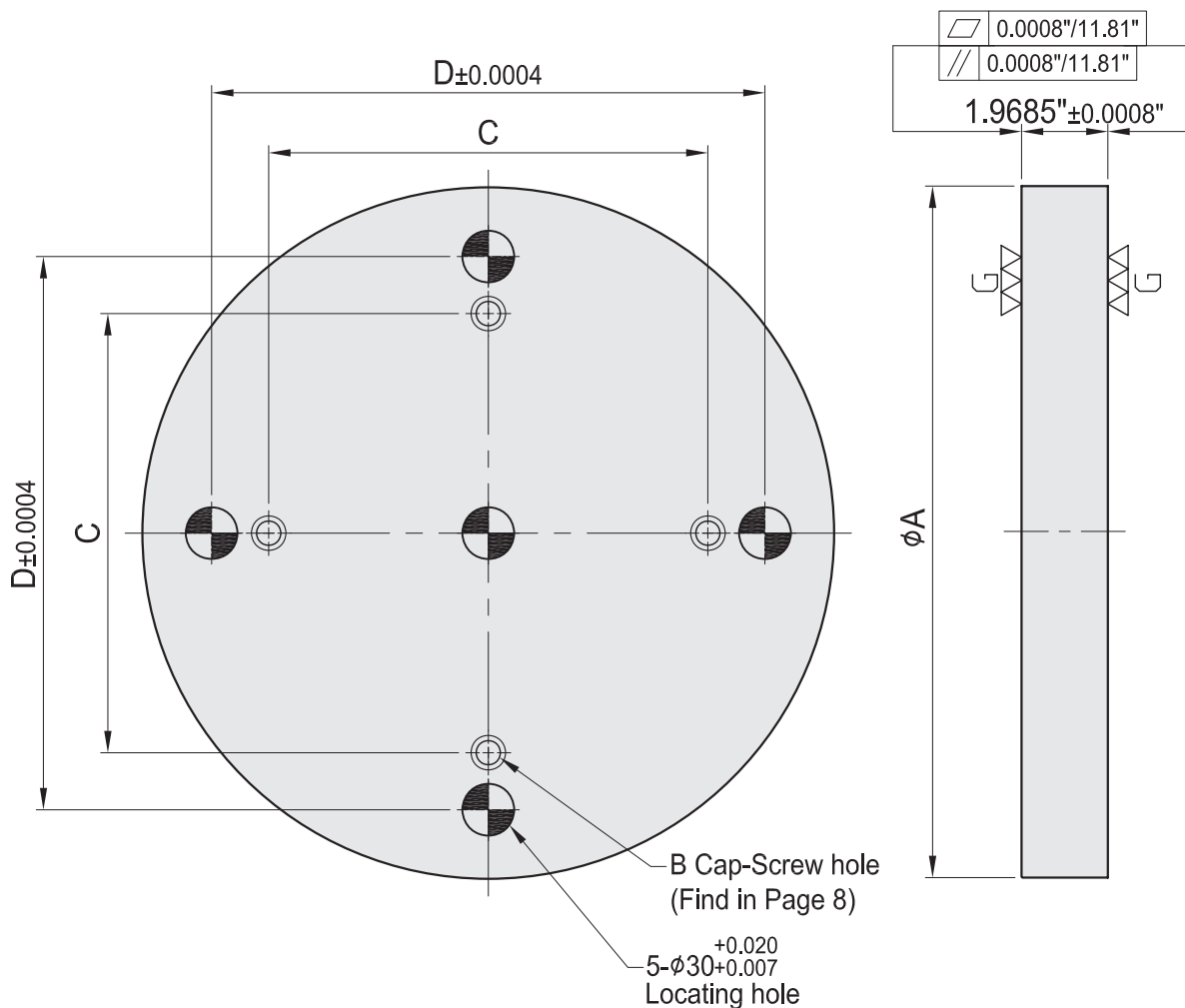
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP16

ROUND BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Surface ground Top & Bottom.
- Special design welcome.

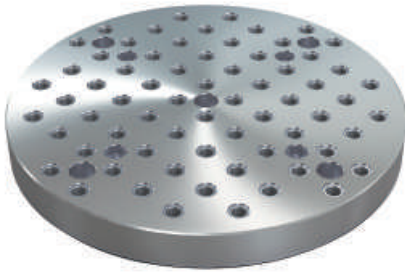


PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
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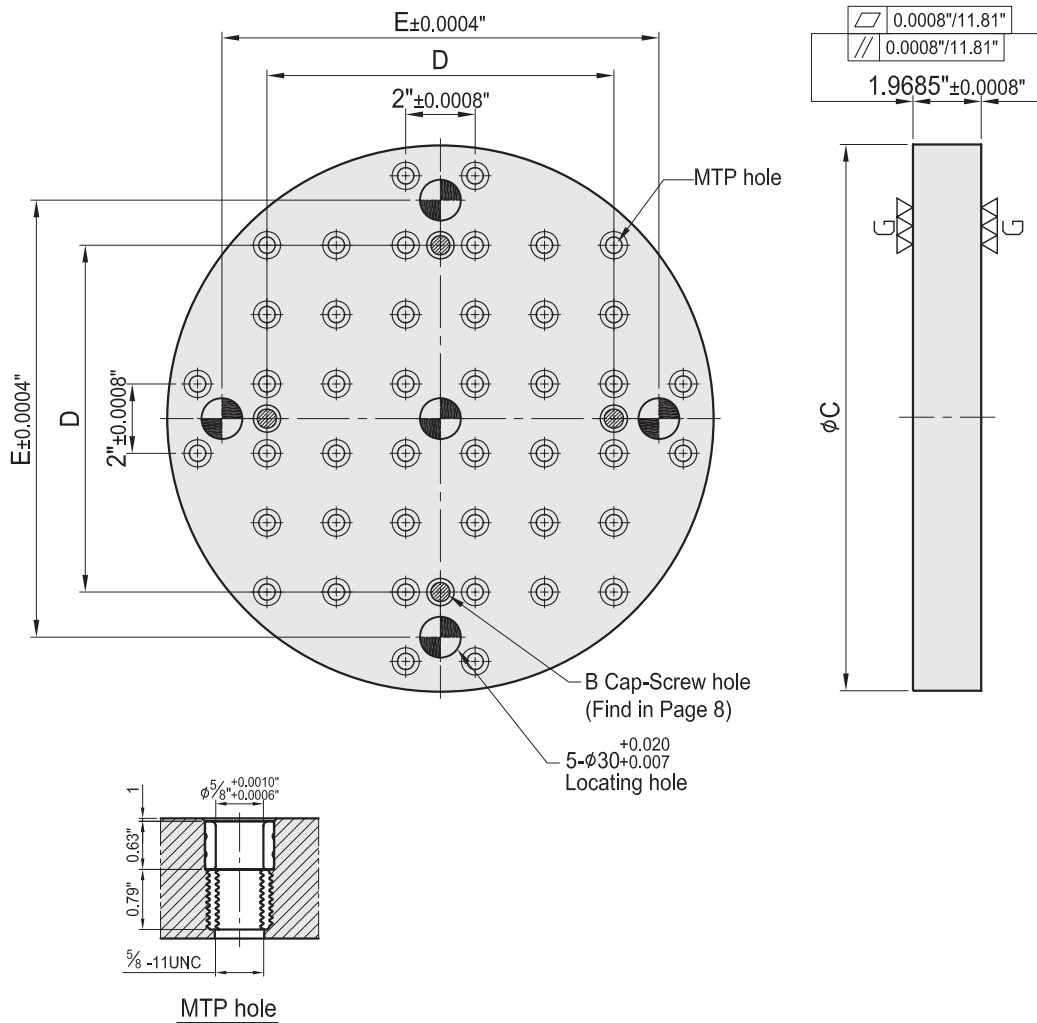
MODEL NO.	A	B"	C"	D"	lb
BP16-50-0300	300	11.81"	1/2	6	55
BP16-50-0400	400	15.75"	1/2	10	88
BP16-50-0500	500	19.69"	5/8	12	143
BP16-50-0600	600	23.62"	5/8	16	209

BP17

ROUND BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: 2"±0.0008"
- Application: NC Rotary Table or Indexer.
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.



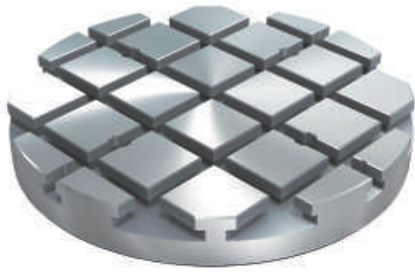
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PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	B"	C		D"	E"	MTP	lb
BP17-50-0300-5	5/8	300	11.81"	6	8.66	24	51
BP17-50-0400-5		400	15.75"	10	12.60	44	93
BP17-50-0500-5	5/8	500	19.69"	12	15.75	68	150
BP17-50-0600-5		600	23.62"	16	19.69	96	209

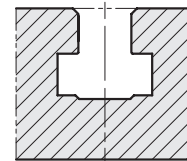
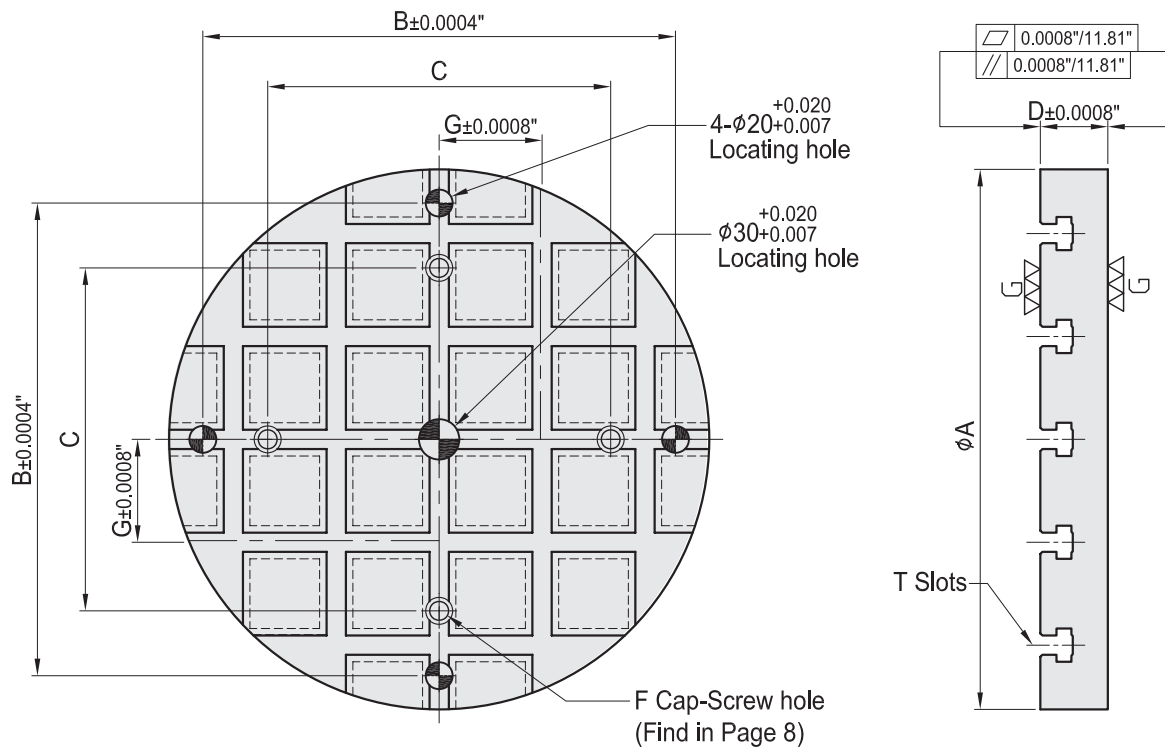
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP18

ROUND BASE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running in 2 directions, easily adapts to standardized jig components.
- Surface ground Top & Bottom.
- Special design welcome.



See Page 8 for T Slot dimensions

PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

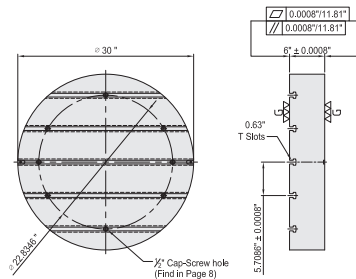
MODEL NO.	A	B"	C"	D"	F"	G"	lb
BP18-65-0300-5	300	11.81"	9.84	6	2.56	5/8	75
BP18-65-0400-5	400	15.75"	13.78	10			3
BP18-65-0500-5	500	19.69"	17.72	12	2.56	5/8	163
BP18-65-0600-5	600	23.62"	21.65	16			4

*Available with 1/2", 5/8" or MM T Slots.

BP18H-30

HAAS RISER PLATE

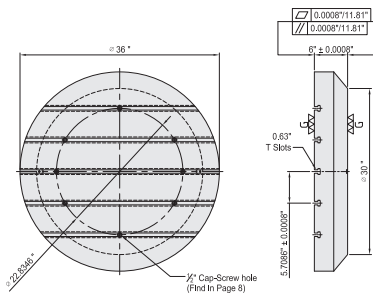
- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running one direction, easily adapts to standardized jig components.
- Surface ground Top & Bottom.



BP18H-36

HAAS RISER PLATE

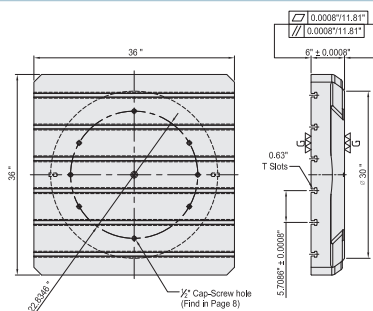
- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slot running one direction, easily adapts to standardized jig components.
- Surface ground Top & Bottom.

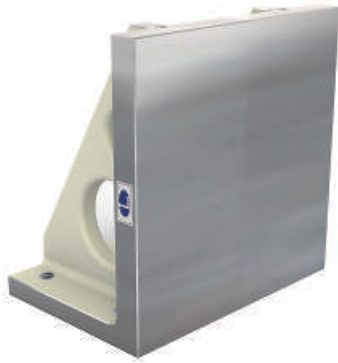


BP18H-36-SQ

HAAS RISER PLATE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slot running one direction, easily adapts to standardized jig components.
- Surface ground Top & Bottom.

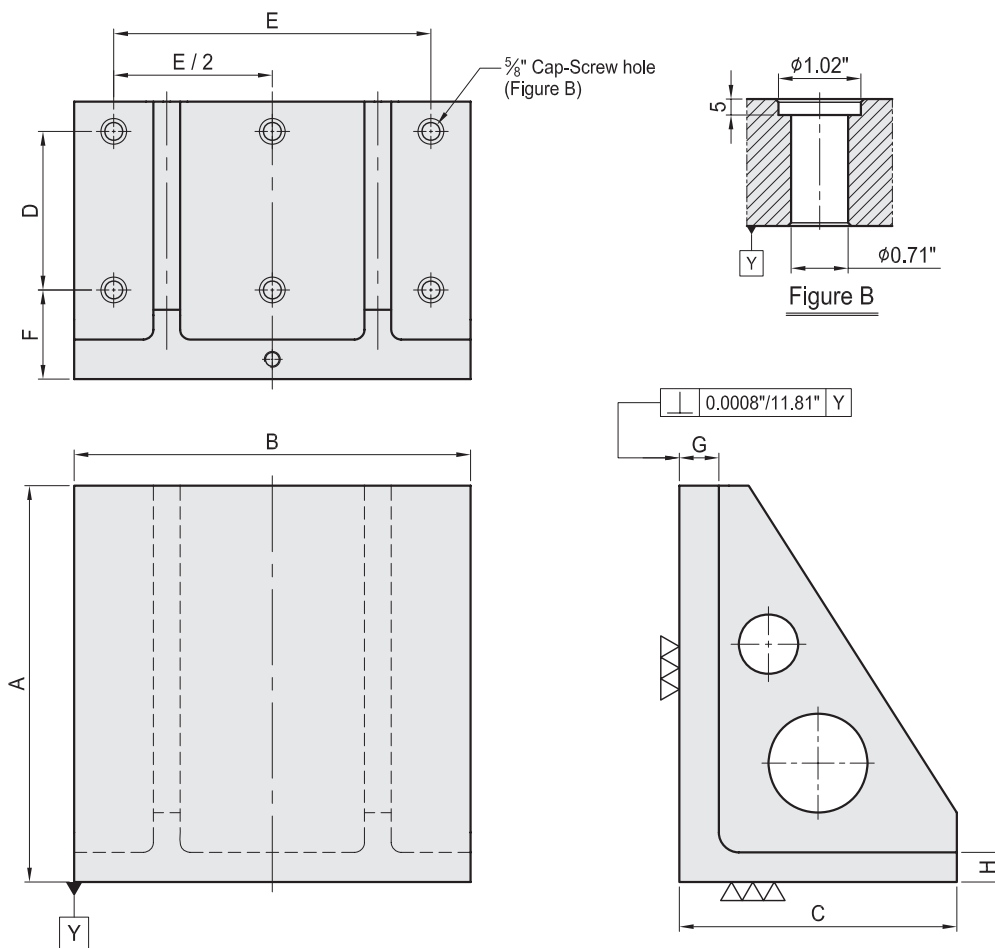




BP20

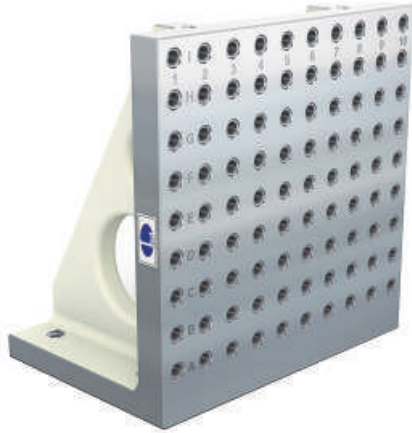
M/C ANGLE PLATE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Special design welcome.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

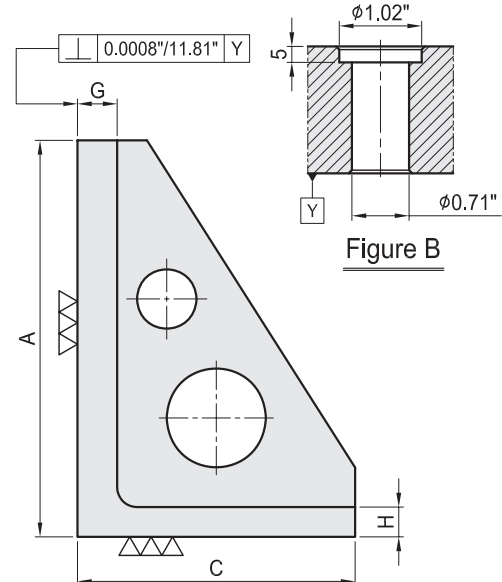
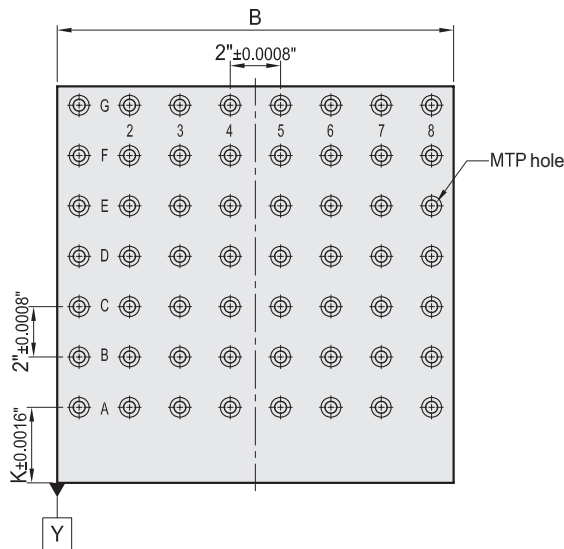
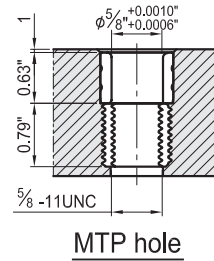
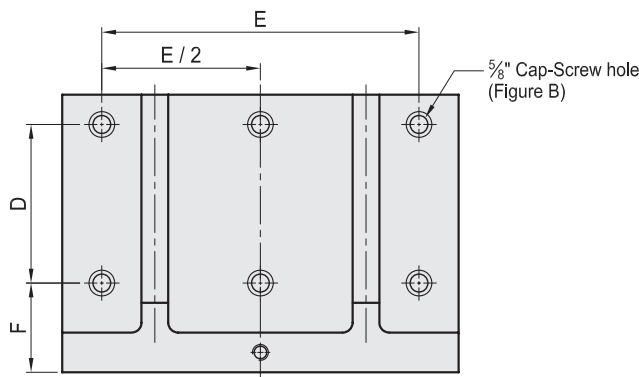
MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	lb
BP20-220300-0300	11.81	11.81	8.66	3.94	9.84	3.54	1.57	1.18	110
BP20-280400-0400	15.75	15.75	11.02	6.30	12.60	3.54	1.57	1.18	198
BP20-340500-0500	19.69	19.69	13.39	7.87	15.75	3.54	1.97	1.38	364
BP20-435630-0630	24.80	24.80	17.13	9.84	19.69	3.94	1.97	1.57	606
BP20-525800-0800	31.50	31.50	20.67	12.60	25.20	4.53	1.97	1.77	1047
BP20-4250300-1000	39.37	11.81	16.73	5.91	7.87	3.94	2.56	2.17	611
BP20-5500400-1000	39.37	15.75	21.65	-	-	-	2.56	2.17	994
BP20-6501000-1000		39.37	25.59	-	-	-			2346
BP20-7500400-1500	59.06	15.75	-	-	-	2.56	2.17	1704	
BP20-7501000-1500		39.37	29.53	-	-			3546	
BP20-7501500-1500		59.06	-	-	-			5138	



BP21

M/C ANGLE PLATE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Special design welcome.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	K"	MTP	lb
BP21-220300-0300-5	11.81	11.81	8.66	3.94	9.84	3.54	1.58	1.18	3	30	101
BP21-280400-0400-5	15.75	15.75	11.02	6.30	12.60	3.54	1.58	1.18	3	56	187
BP21-340500-0500-5	19.69	19.69	13.39	7.87	15.75	3.54	1.97	1.38	3	90	375
BP21-435630-0630-5	24.80	24.80	17.13	9.84	19.69	3.94	1.97	1.57	3	132	650
BP21-525800-0800-5	31.50	31.50	20.67	12.60	25.20	4.53	1.97	1.77	3	224	1036

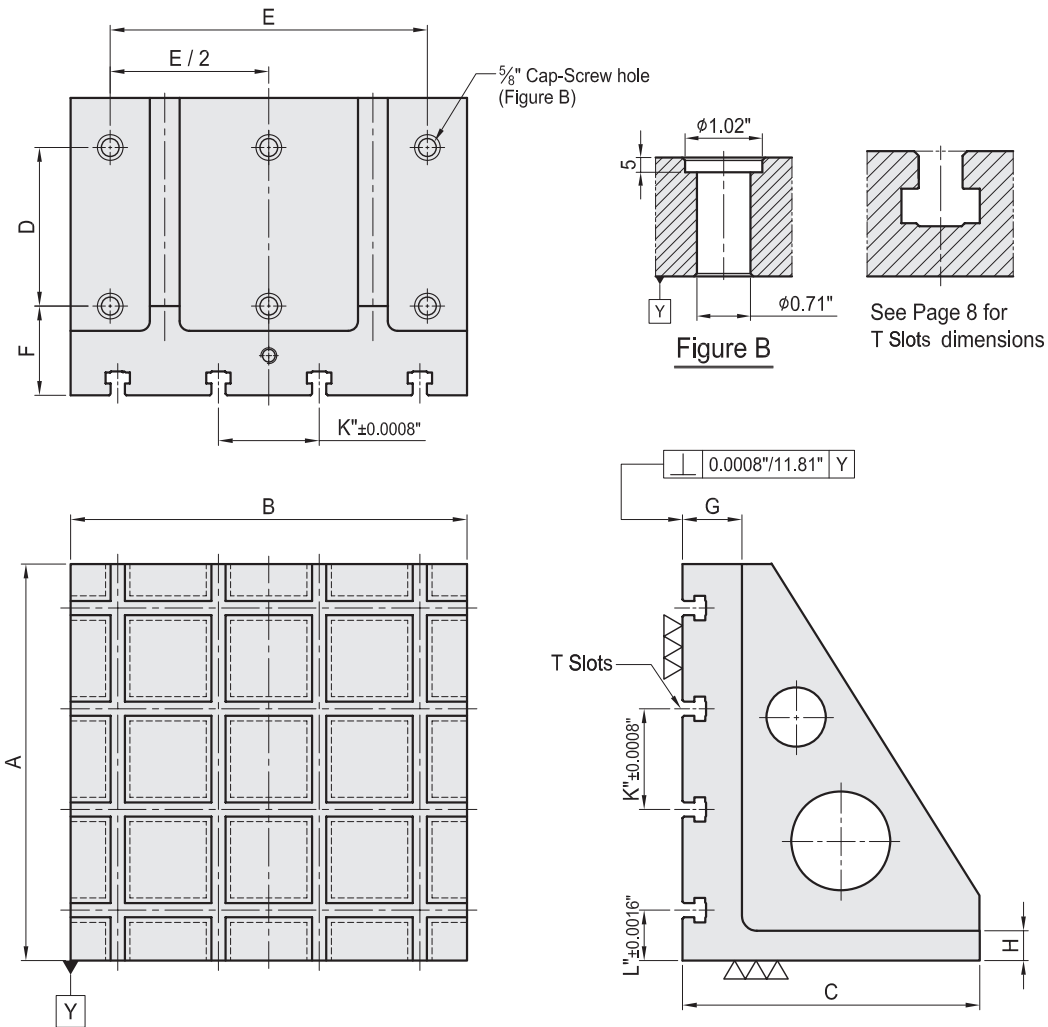
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP22

M/C ANGLE PLATE



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running in 2 directions, easily adapts to standardized jig components.
- Special design welcome.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

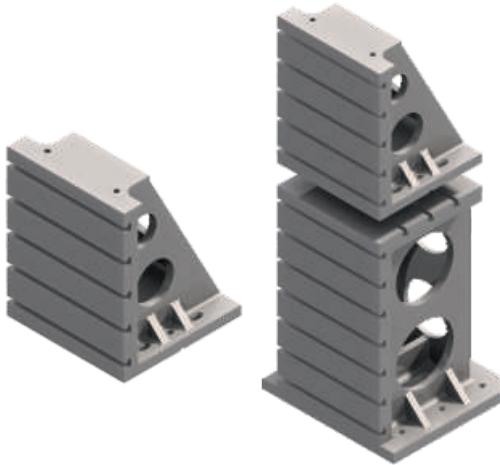
MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	K"	L"	lb
BP22-220300-0300-5	11.81	11.81	8.66	3.94	9.84	3.54	2.36	1.18	4	2.0	112
BP22-300400-0400-5	15.75	15.75	11.81	6.30	12.60						212
BP22-350500-0500-5	19.69	19.69	13.78	7.87	15.75	3.54	2.36	1.38	4	2.0	357
BP22-450630-0630-5	24.80	24.80	17.72	9.84	19.69	3.94	2.56	1.58	5	2.5	628
BP22-550800-0800-5	31.50	31.50	21.65	12.60	25.20	4.53	2.95	1.77	6	4.0	1224

*Available with 1/2", 5/8" or MM T Slots.

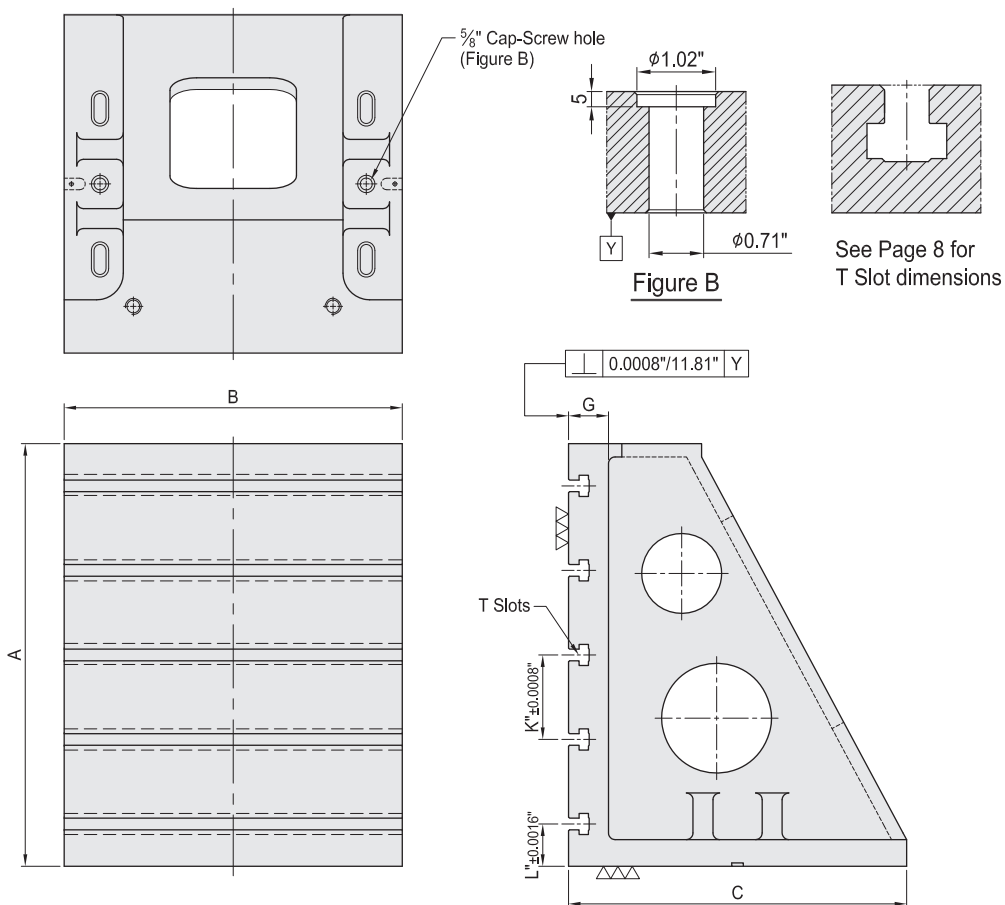


BP22S-T

STACKING ANGLE PLATE-TOP



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running one direction, easily adapts to standardized jig components.
- Special design welcome.



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TOP

MODEL NO.	A"	B"	C"
BP22S-T0900	23.62	19.69	19.69
BP22S-T1200	35.43	27.56	27.56
BP22S-T1500	47.24	35.43	35.43

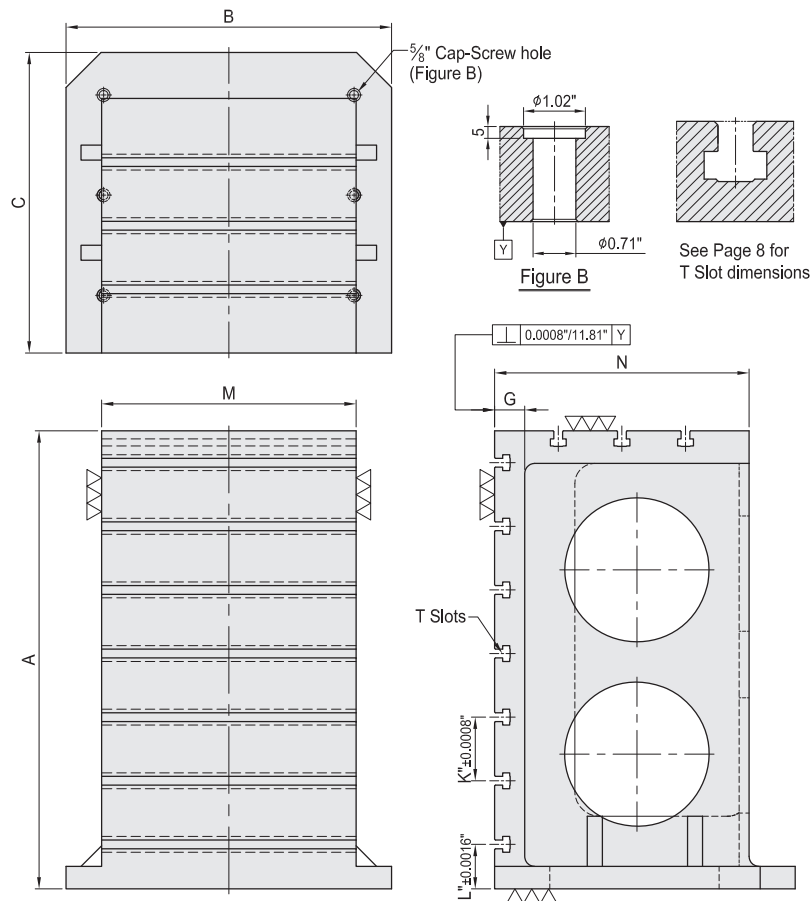
*Available with 1/2", 5/8" or MM T Slots.



BP22S-B

STACKING ANGLE PLATE-BOTTOM

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: T-Slots running one direction, easily adapts to standardized jig components.
- Special design welcome.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY. PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

Bottom

MODEL NO.	A"	B"	C"	M"	N"
BP22S-B0900	35.43	24.80	24.80	19.69	19.69
BP22S-B1200	47.24	31.50	31.50	27.56	27.56
BP22S-B1500	59.06	39.37	39.37	35.43	35.43

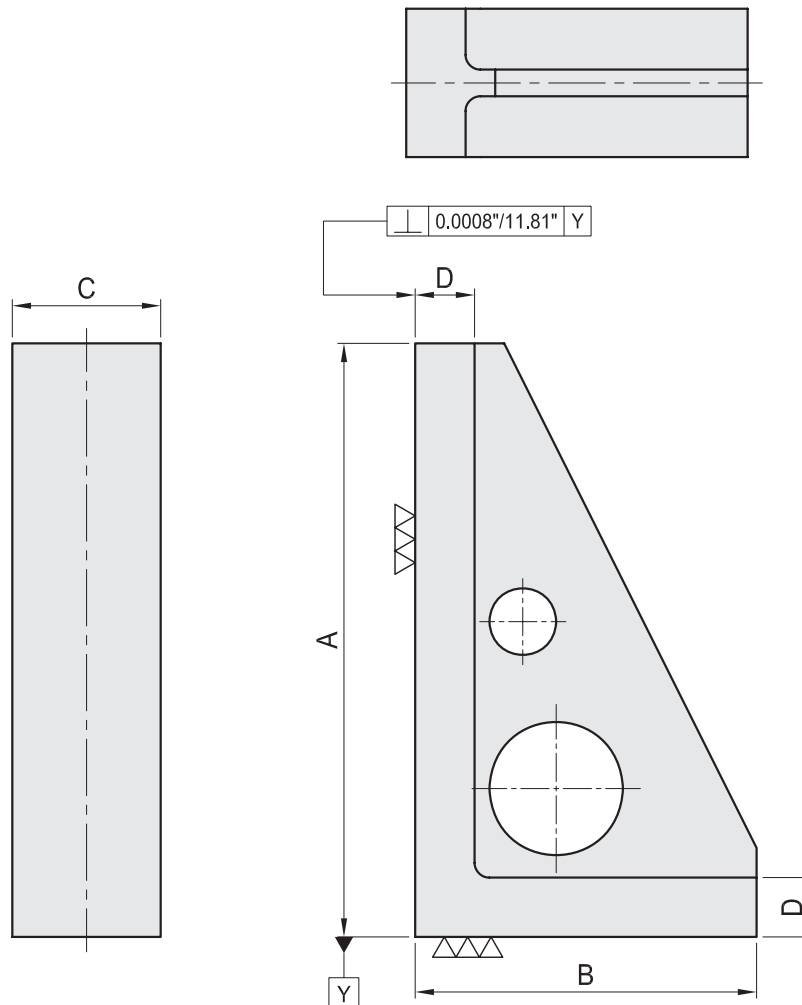
*Available with 1/2", 5/8" or MM T Slots.



BP23

MC NARROW ANGLE PLATE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Special design welcome.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

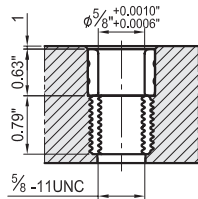
MODEL NO.	A"	B"	C"	D"	lb
BP23-180100-0300	11.81	7.09	3.94	1.57	31
BP23-230100-0400	15.75	9.06	3.94	1.57	44
BP23-280100-0500	19.69	11.02	3.94	1.57	55



BP24

MC NARROW ANGLE PLATE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Special design welcome.



MTP hole

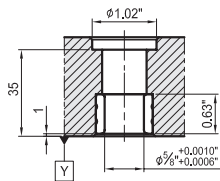
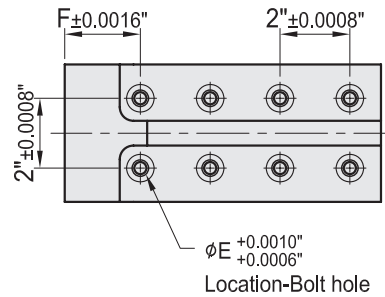
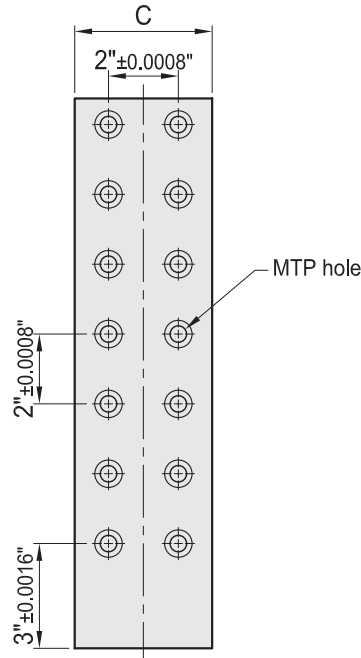
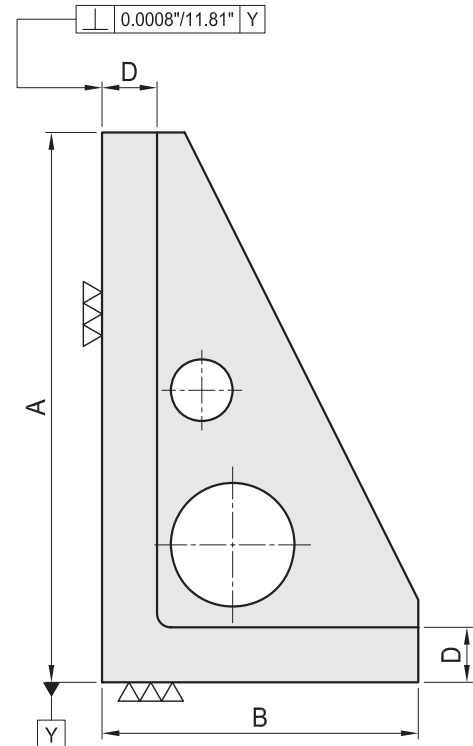


Figure E



MTP hole



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	D"	E"	F"	MTP	lb
BP24-180100-0300-5	11.81	7.09	3.94	1.57	5/8	2.17	10	29
BP24-230100-0400-5	15.75	9.06	3.94	1.57	5/8	2.17	14	44
BP24-280100-0500-5	19.69	11.02	3.94	1.57	5/8	2.17	18	53

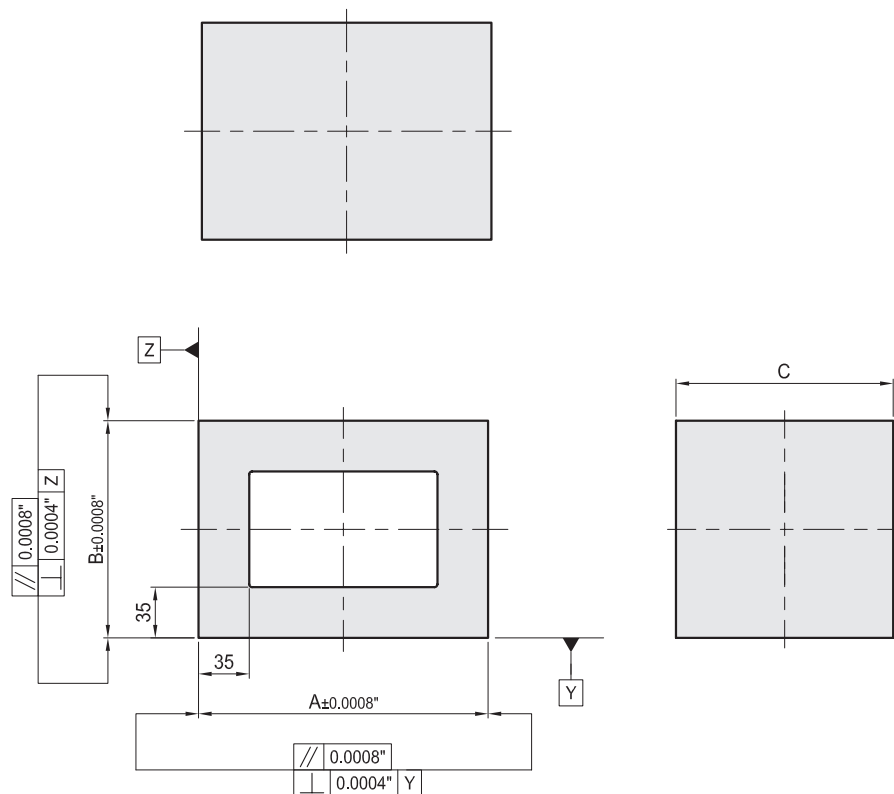
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP25

RECTANGULAR CAST SECTION



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Special design welcome.



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PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	lb
BP25-200150-0150	7.87	5.91	5.91	51
BP25-250150-0200	9.84	7.87	5.91	66
BP25-300200-0250	11.80	9.84	7.87	123

BP26

RECTANGULAR CAST SECTION



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment Bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: 2"±0.0008"
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Special design welcome.

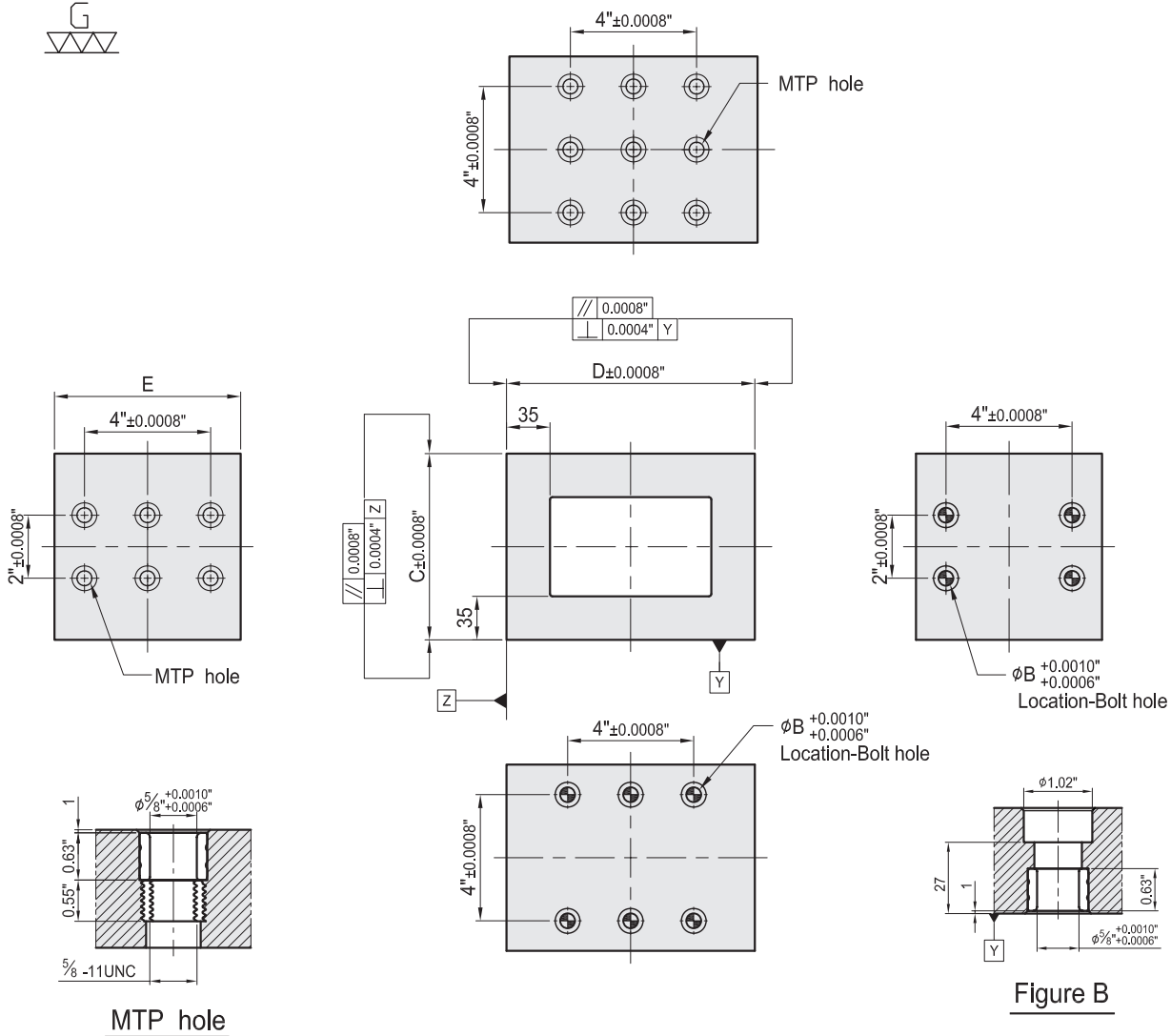


Figure B

PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	B"	C"	D"	E"	MTP	Mounting holes	lb
BP26-200150-0150-5	5/8	5.91	7.87	5.91	15	10	64
BP26-250150-0200-5	5/8	7.87	9.84	5.91	21	14	66

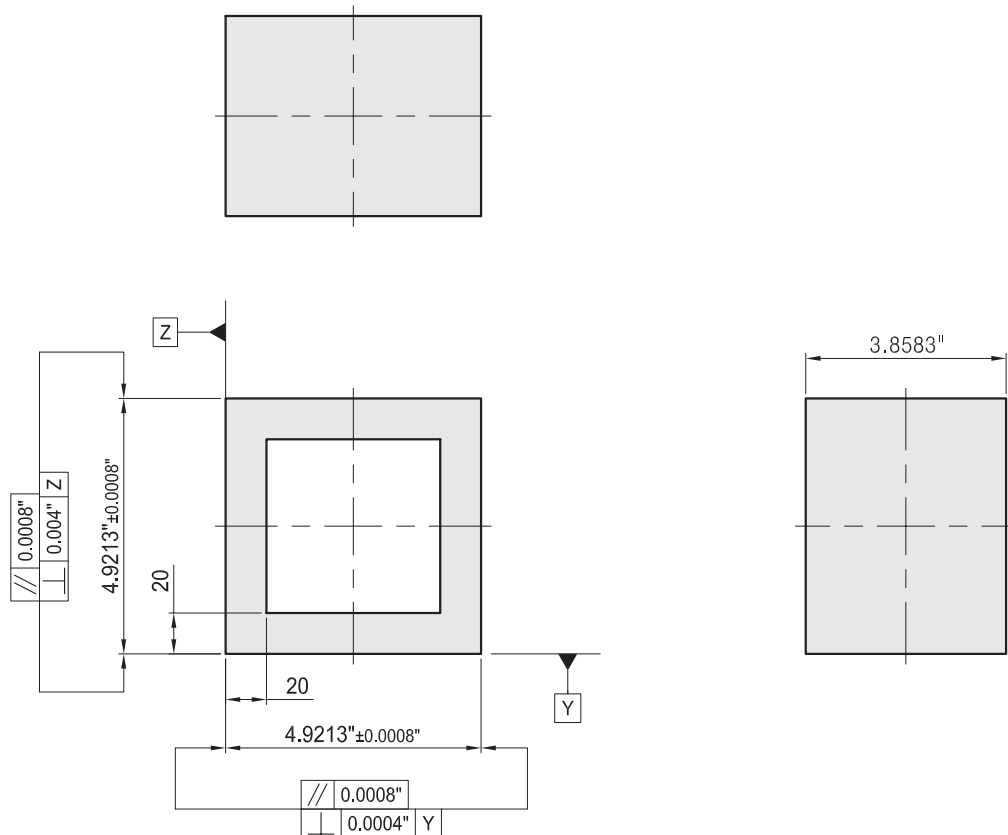
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP27

RECTANGULAR CAST SECTION



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Special design welcome.



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PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	lb
BP27-125098-125	13

BP28

RECTANGULAR CAST SECTION



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Special design welcome.

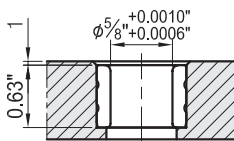
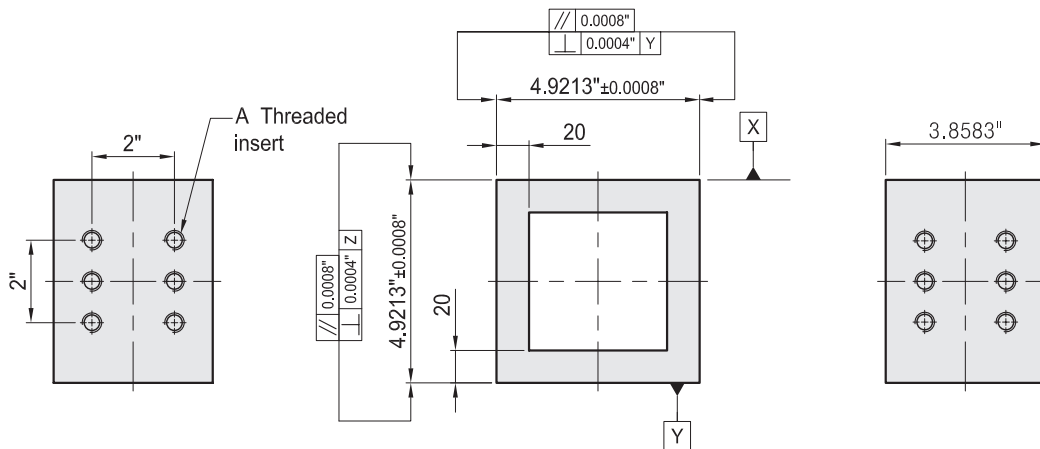
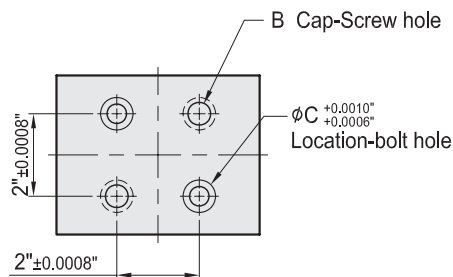
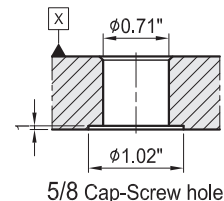


Figure C



5/8 Cap-Screw hole

Figure B

PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B"	C"	lb
BP28-125098-125-4	1/2-13UNC	1/2-13UNC	1/2	13
BP28-125098-125-5	5/8-11UNC	5/8-11UNC	5/8	12



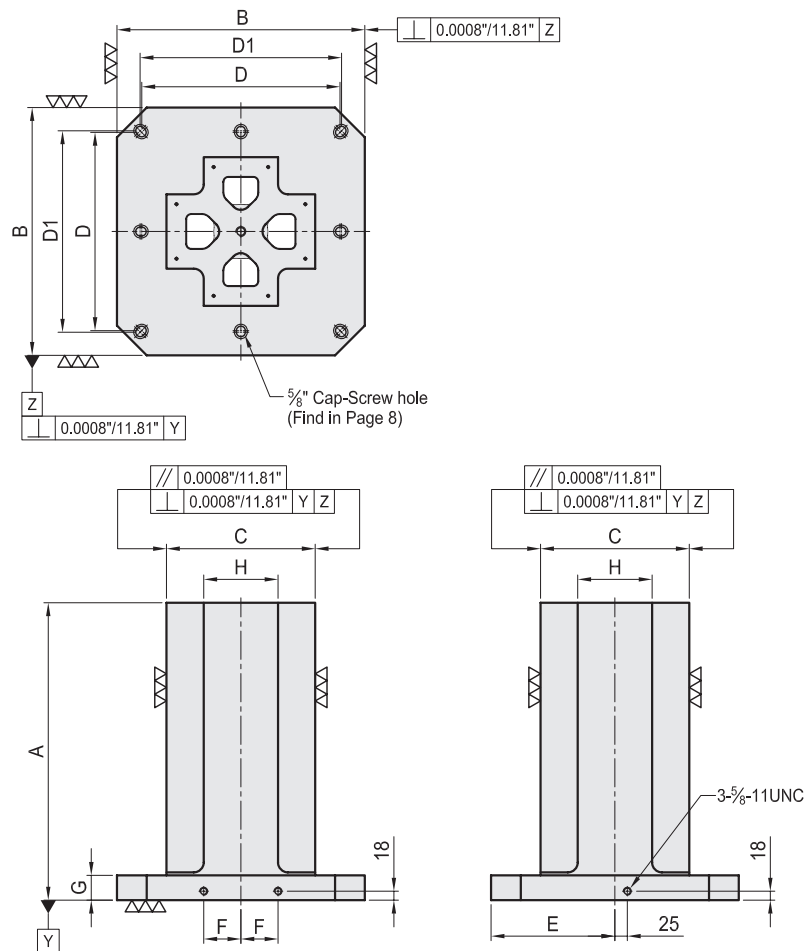
BP29

CROSS TOOLING COLUMN



- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Eye bolt & top cover included.
- Special design welcome.

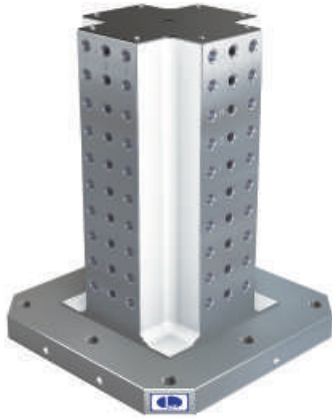
Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	Mounting holes	lb	
BP29-400400-0500	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	4.92	4	340
BP29-400400-0650	25.59											415
BP29-500500-0600	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	5.91	8	538
BP29-500500-0750	29.53											633
BP29-630630-0700	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	7.87	8	822
BP29-630630-0850	33.46											935
BP29-800800-0800	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	11.81	8	1429
BP29-800800-1000	39.37											1660

*Easily configured to meet your special needs.

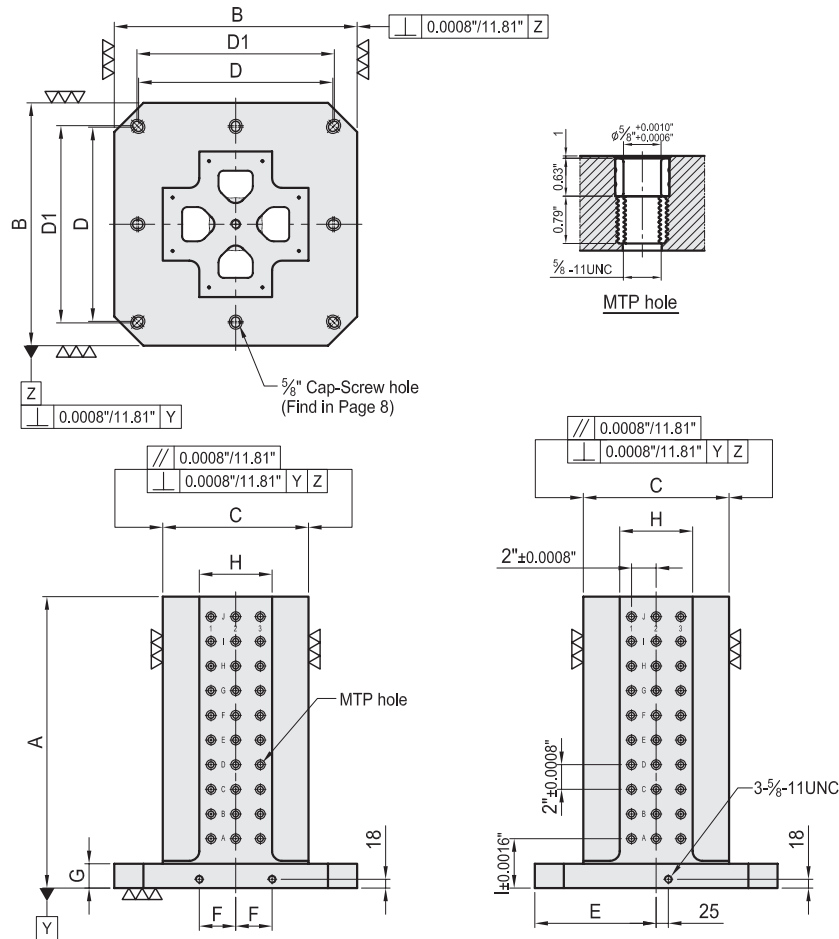


BP30

CROSS TOOLING COLUMN

- Material: Cast Iron FC300 (JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	I"	MTP	Mounting holes	lb
BP30-400400-0500-5	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	4.92	4	64	333
BP30-400400-0650-5	25.59											88	
BP30-500500-0600-5	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	5.91	4	120	545
BP30-500500-0750-5	29.53											156	
BP30-630630-0700-5	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	7.87	4	192	803
BP30-630630-0850-5	33.46											240	
BP30-800800-0800-5	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	11.81	5	312	1396
BP30-800800-1000-5	39.37											408	

*Easily configured to meet your special needs.

*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

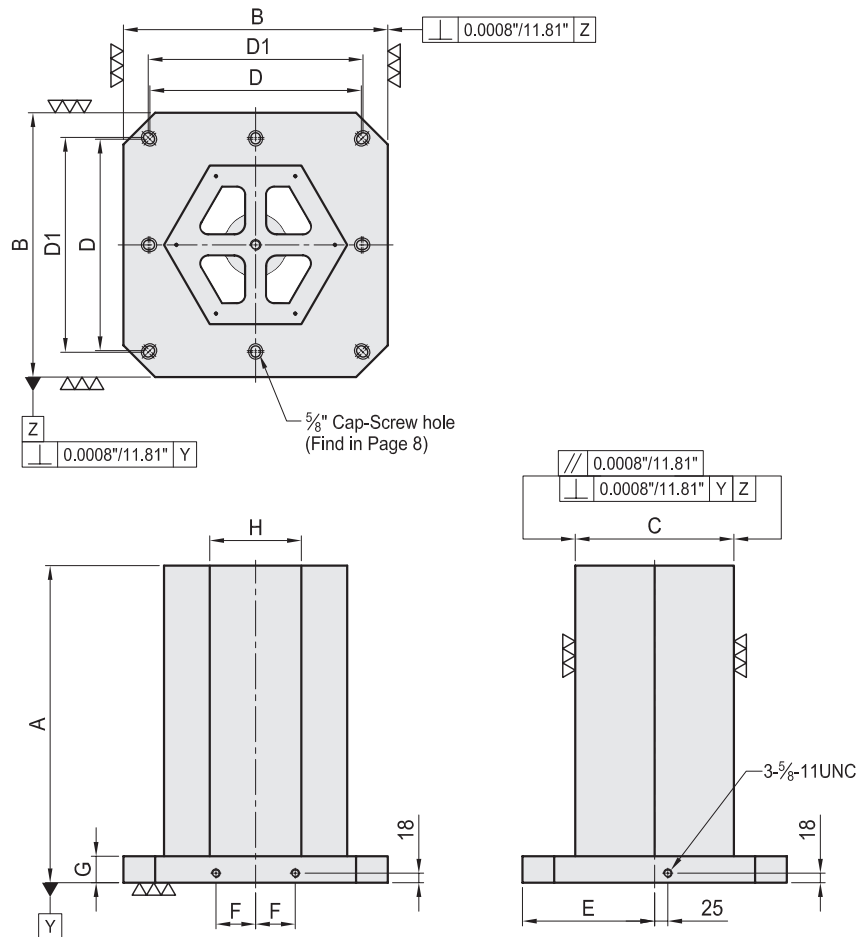


BP31

HEXAGONAL CUBE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	Mounting holes	lb	
BP31-400400-0500	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	5.68	4	333
BP31-400400-0650	25.59										4	404
BP31-500500-0600	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	6.82	8	514
BP31-500500-0750	29.53										8	600
BP31-630630-0700	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	7.96	8	796
BP31-630630-0850	33.46										8	900
BP31-800800-0800	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	11.37	8	1365
BP31-800800-1000	39.37										8	1572

*Easily configured to meet your special needs.

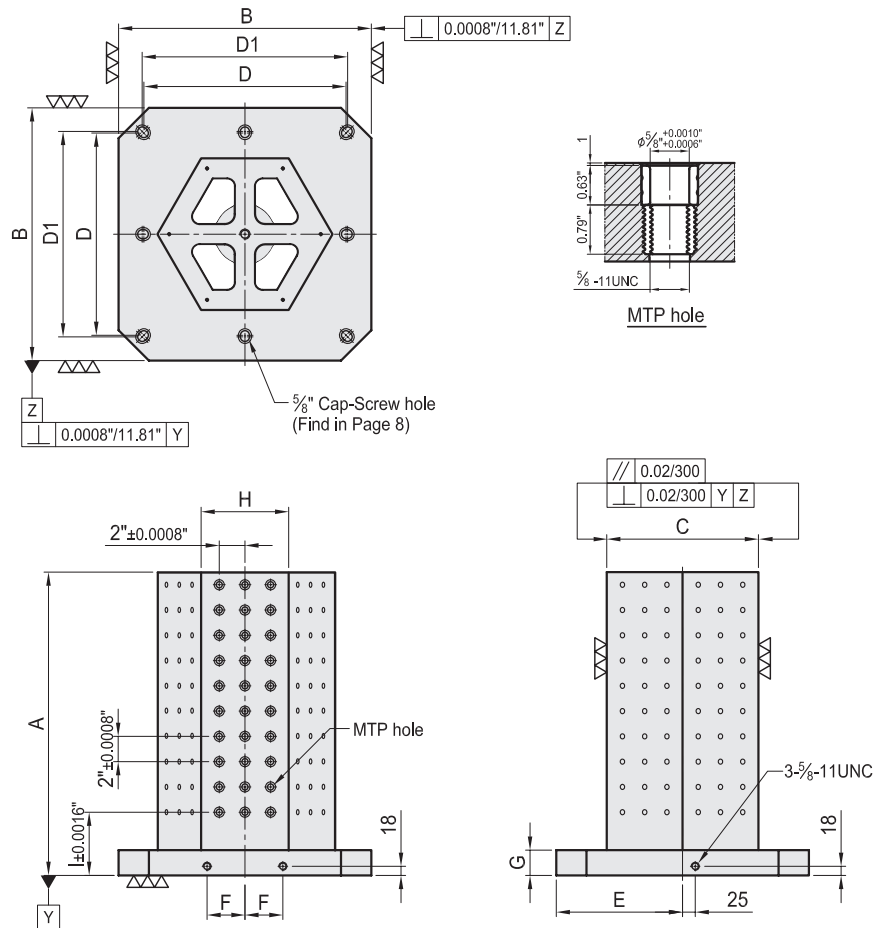


BP32

HEXAGONAL CUBE

- Material: Cast Iron FC300 (JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: 2" ± 0.0008"
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	I"	MTP	Mounting holes	lb	
BP32-400400-0500-5	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	5.68	4	96	4	324
BP32-400400-0650-5	25.59											132		390
BP32-500500-0600-5	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	6.82	4	180	8	494
BP32-500500-0750-5	29.53											234		578
BP32-630630-0700-5	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	7.96	4	216	8	774
BP32-630630-0850-5	33.46											270		873
BP32-800800-0800-5	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	11.37	5	390	8	1323
BP32-800800-1000-5	39.37											510		1517

*Easily configured to meet your special needs.

*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

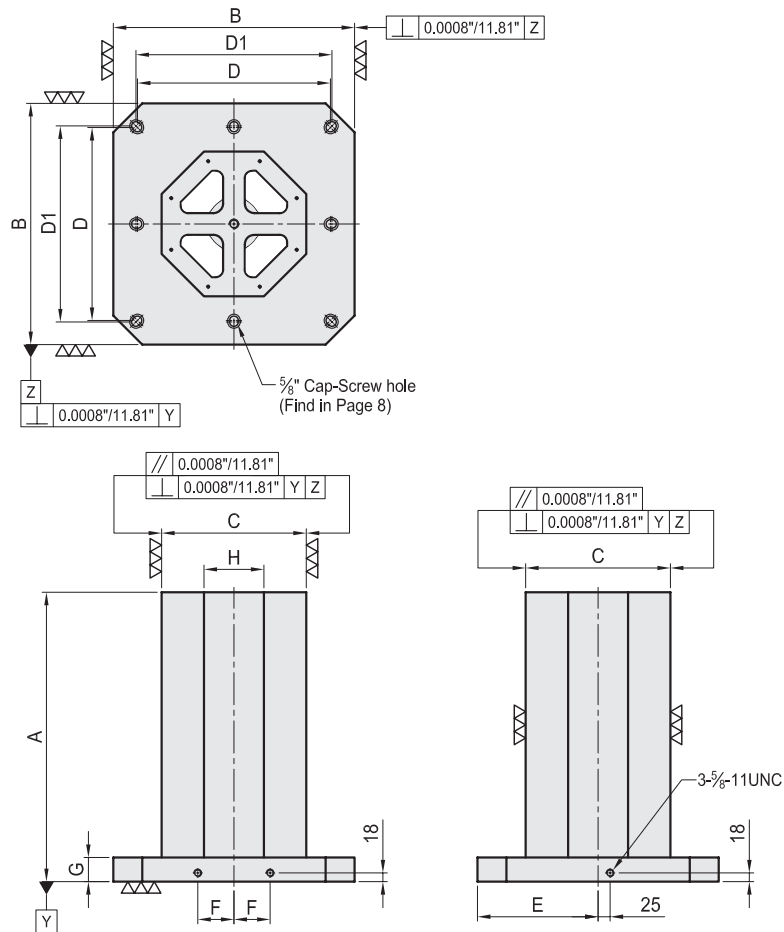


BP33

OCTAGONAL CUBE

- Material: Cast Iron FC300(JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Features: Ready to accept a hole pattern for your special jig.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	Mounting holes	lb	
BP33-400400-0500	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	4.06	4	326
BP33-400400-0650	25.59											395
BP33-500500-0600	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	4.88	8	501
BP33-500500-0750	29.53											582
BP33-630630-0700	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	5.71	8	772
BP33-630630-0850	33.46											871
BP33-800800-0800	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	8.15	8	1372
BP33-800800-1000	39.37											1568

*Easily configured to meet your special needs.

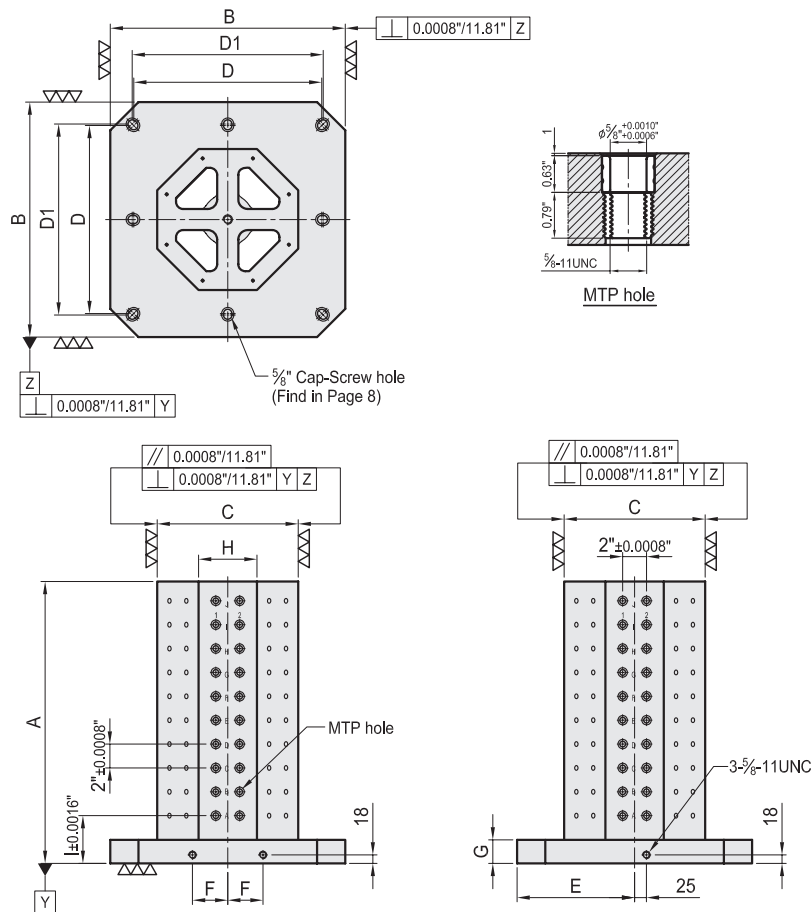


BP34

OCTAGONAL CUBE

- Material: Cast Iron FC300 (JIS) / Class 45 Equivalent
- Heat treated (Normalized)
- Alignment bushing: Steel Heat Treated HRC~60°
- Threaded Insert: Steel Heat Treated HRC~32°
- MTP hole spacing: $2" \pm 0.0008"$
- Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.
- Eye bolt & top cover included.
- Special design welcome.

Tombstones are designed to fit both inch & MM pallets.



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DEMENSIONS AT WWW.TOMBSTONECITY.COM

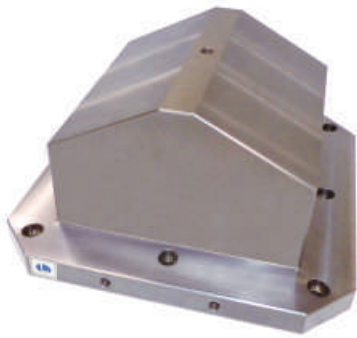
MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	I"	MTP	Mounting holes	lb	
BP34-400400-0500-5	19.69	400	15.75"	9.84	320	11.81	7.87	55	1.97	4.06	4	128	4	313
BP34-400400-0650-5	25.59											176		377
BP34-500500-0600-5	23.62	500	19.69"	11.81	400	16.00	9.84	75	1.97	4.88	4	160	8	483
BP34-500500-0750-5	29.53											208		562
BP34-630630-0700-5	27.56	630	24.80"	13.78	500	20.00	12.40	100	1.97	5.71	4	192	8	752
BP34-630630-0850-5	33.46											240		847
BP34-800800-0800-5	31.50	800	31.50"	19.69	640	25.00	15.75	135	1.97	8.15	5	416	8	1325
BP34-800800-1000-5	39.37											544		1510

*Easily configured to meet your special needs.

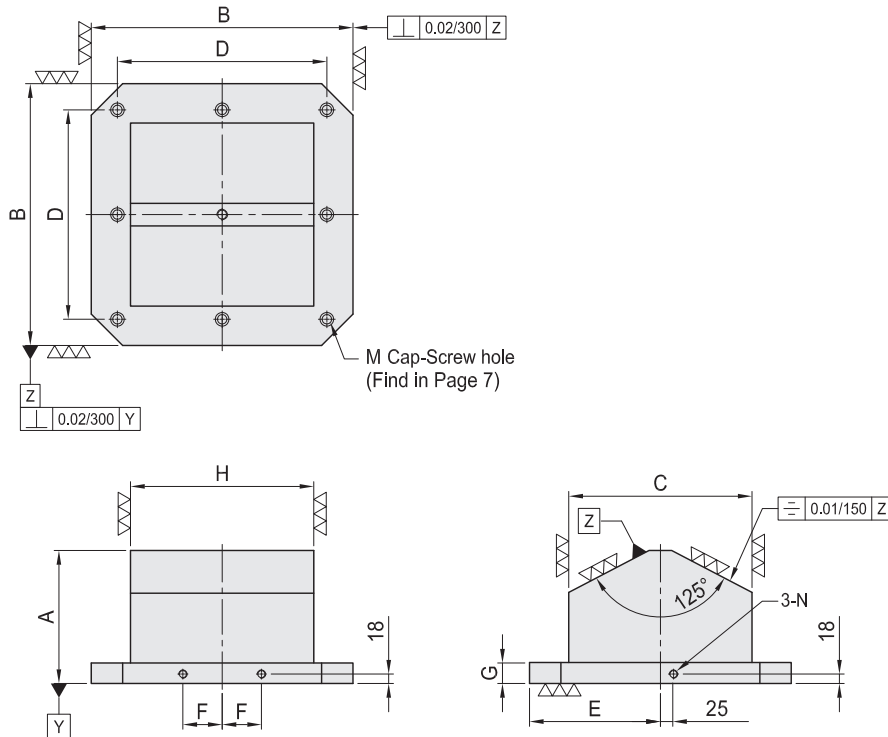
*Tombstones in stock have 5/8" mtp holes. Can be special ordered with 1/2" or metric mtp holes"

BP38

5AXIS TOOLING COLUMN



- Material: Cast Iron FC300(JIS) / GG30(DIN)
- Heat treated (Normalized)
- Application: HMC / VMC
- Features: Ready to accept a hole pattern for your special jig.

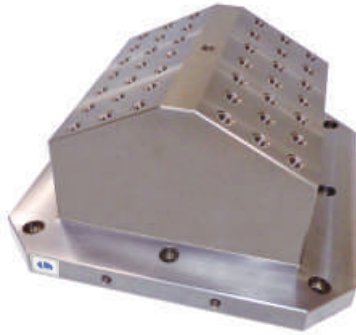


MODEL NO.	A"	B	C"	D	D1"	E	F	G"	H"	M"	N"	Mounting holes	lb	
BP38-500500-0254	10.0	500	19.69"	13.7	400	16.00	250	75	1.57	13.7	5/8	5/8	8	317
BP38-630630-0292	11.5	630	24.80"	17.7	500	20.00	315	100	1.97	17.7	5/8	5/8	8	540

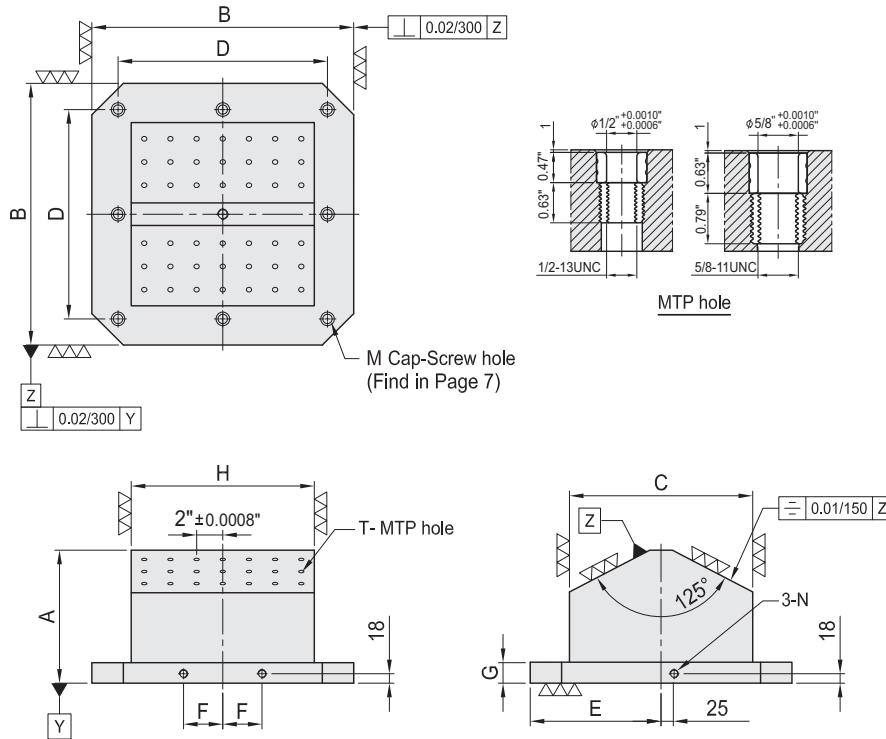
*Special Design Welcome !

BP39

5AXIS TOOLING COLUMN



- Material: Cast Iron FC300(JIS) / GG30(DIN)
- Heat treated (Normalized)
- Application: HMC / VMC
- Features: Ready to accept a hole pattern for your special jig.

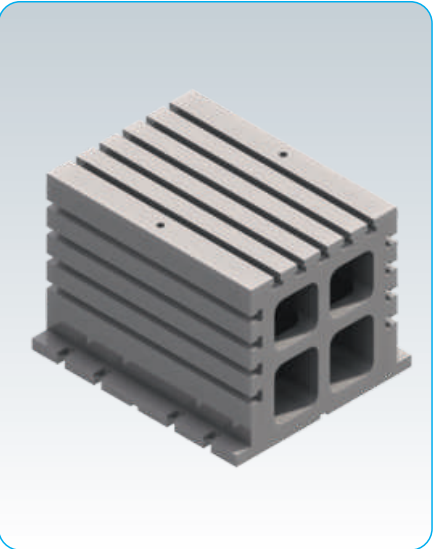
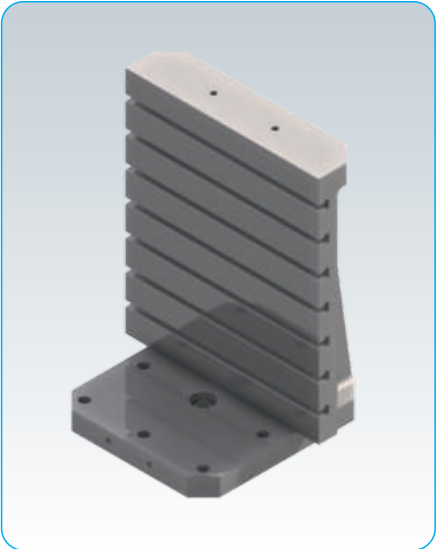
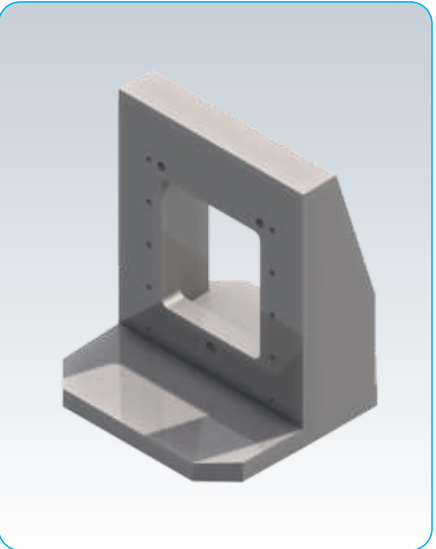
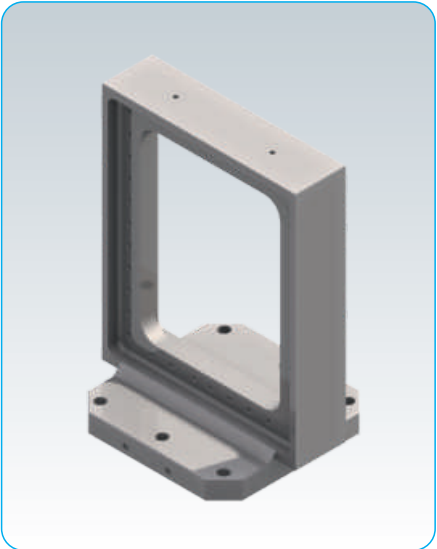
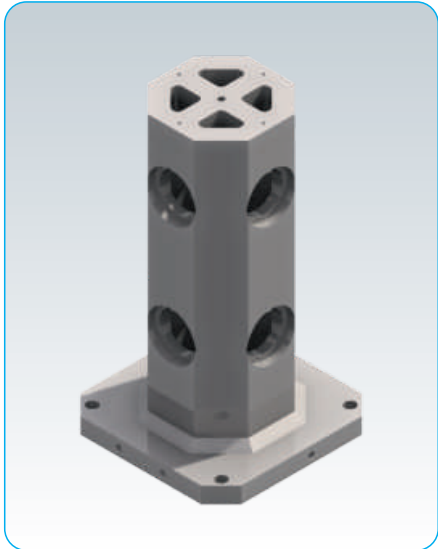
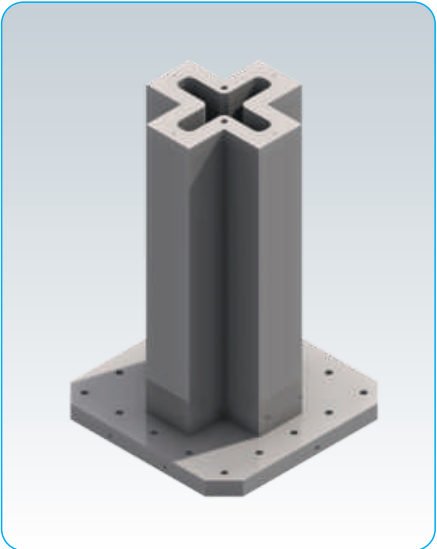
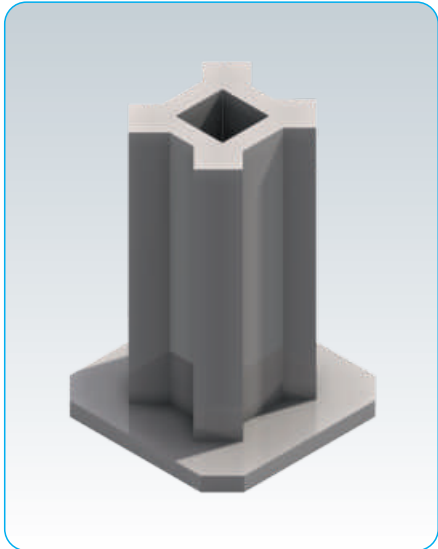


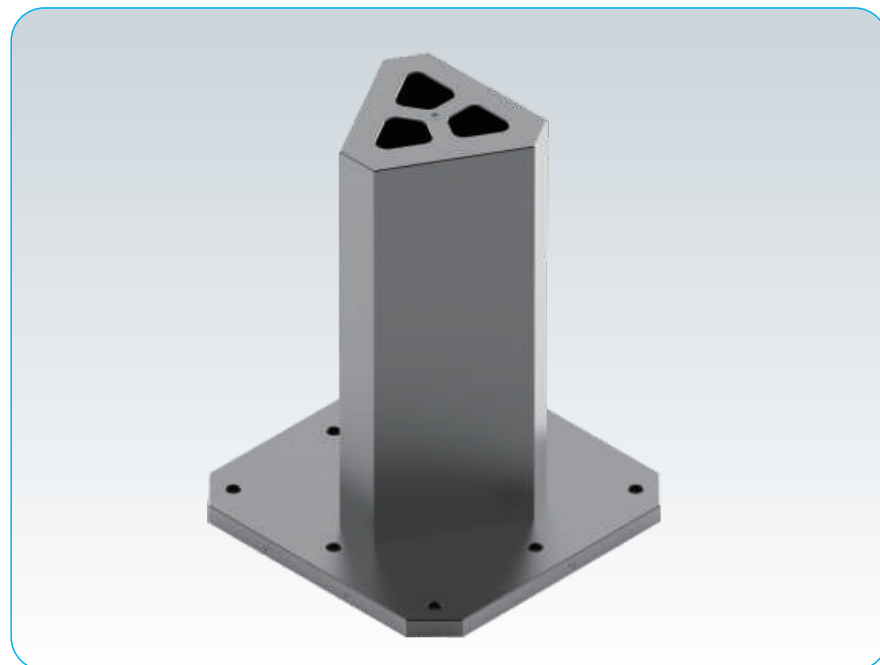
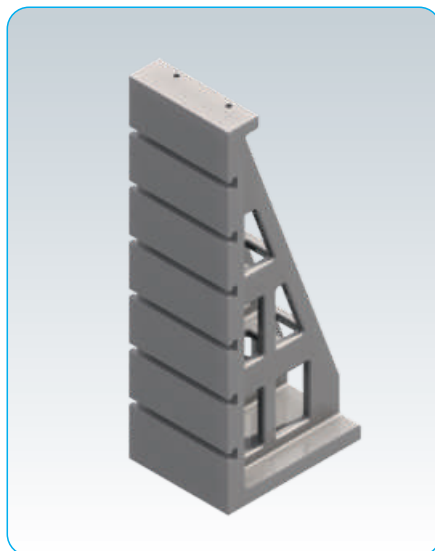
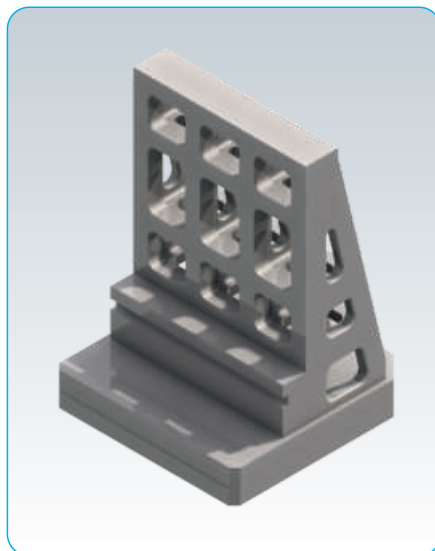
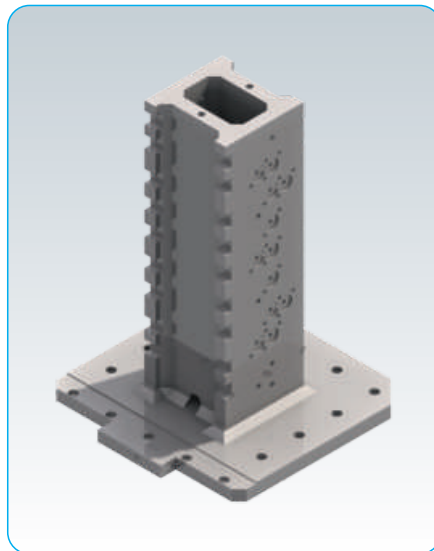
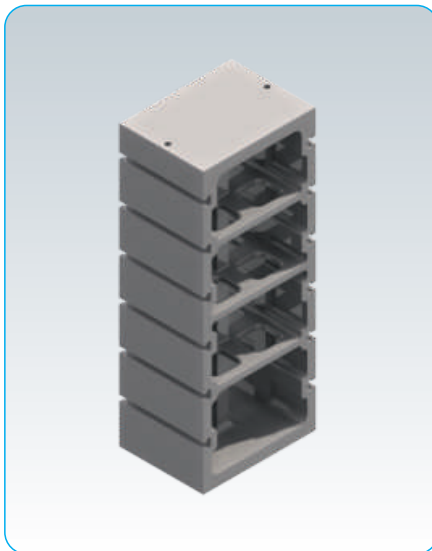
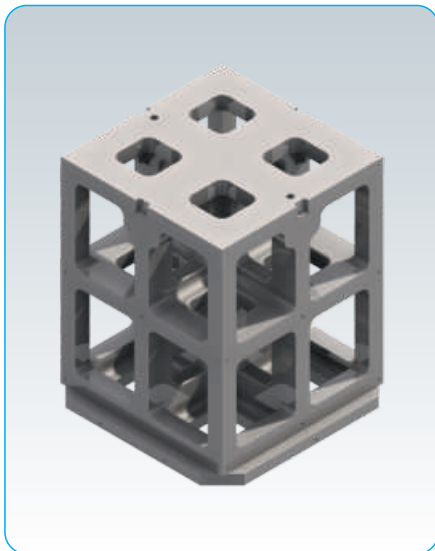
MODEL NO.	A"	B	C"	D	D1"	E"	F	G"	H"	M"	N"	MTP	Mounting holes	lb	
BP39-500500-0254-4	10.0	500	19.69"	13.7	400	16.00	9.84	75	1.57	13.7	1/2	5/8	42	8	317
BP39-630630-0292-4	11.5	630		17.7	500		12.40	100	1.97	17.7	1/2	5/8	72	8	539
BP39-500500-0254-5	10.0	500	24.80"	13.7	400	20.00	9.84	75	1.57	13.7	5/8	5/8	45	8	317
BP39-630630-0292-5	11.5	630		17.7	500		12.40	100	1.97	17.7	5/8	5/8	72	8	539

*Special Design Welcome !

BP-SPECIAL

**WE CAN BUILD YOUR OWN SPECIAL DESIGN
NO SIZE LIMITATION**







A series of horizontal blue lines spanning the width of the page, providing a template for technical drawings or notes.

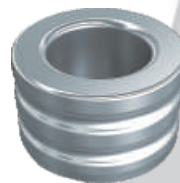


A series of horizontal blue lines spanning the width of the page, providing a template for writing or drawing.



AUX PARTS

PT31,PT34,PT43,PT44,PT60,PT61



EXTENSION NUT

FLANGE NUT

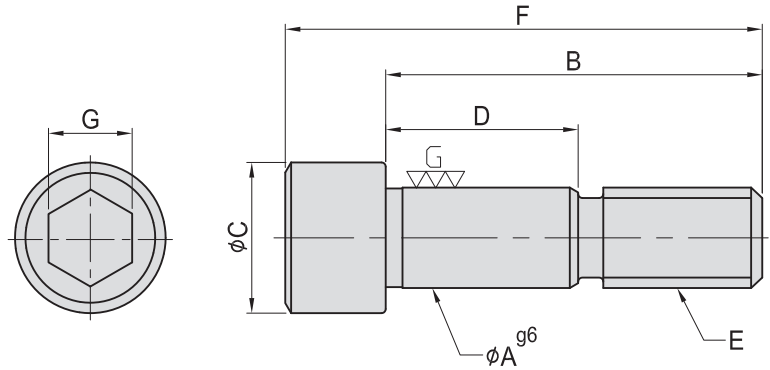
KNURLED NUT

SERRATED BALL END BOLT

SMOOTH BALL END BOLT

PT31

GROUND SHOULDER BOLT



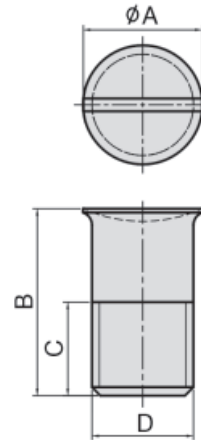
- Material : SCM435(JIS)/34CrMo4(DIN)
- Heat treated : HRC 32°~38°

MODEL NO.	A"	B	C	D	E"	F	G	kg
PT31-0445	1/2	45	18	23	1/2"-13	57	10	0.053
PT31-0455		55		33		67		0.060
PT31-0465		65		43		77		0.070
PT31-0475	5/8	75	24	53	5/8"-11	87	14	0.078
PT31-0555		55		28		72		0.120
PT31-0565		65		40		82		0.140
PT31-0575		75		50		92		0.150

PT34

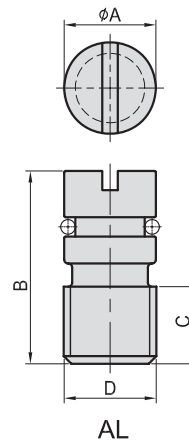
MTP HOLE PROTECTION PLUG

Steel-Black oxide finish



MODEL NO.	A	B	C	D"	kg
PT34-03	10.5	19	10	3/8-16	0.015
PT34-04	14.0	22	11	1/2-13	0.018
PT34-05	17.8	25	13	5/8-11	0.035
PT34-06	21.1	35	19	3/4-10	0.040

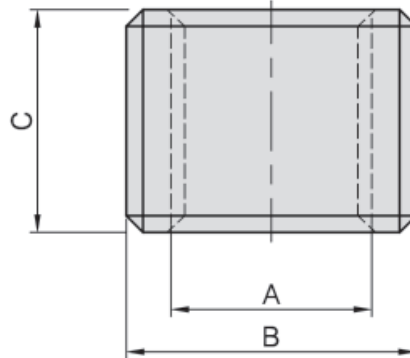
Aluminum W / O-Ring



MODEL NO.	A	B	C	D	kg
PT34-04-AL	12.60	25	10	1/2-13	0.007
PT34-05-AL	15.75	30	11	5/8-11	0.015

PT43

THREADED INSERT

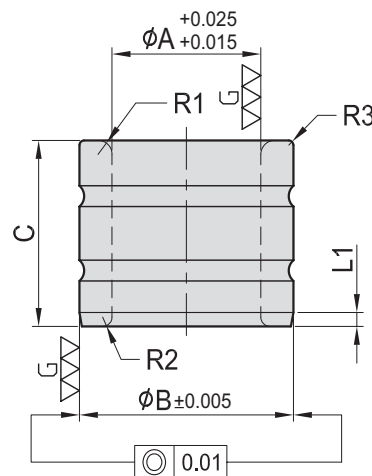


- Material : S45C(JIS)
- Heat treated : HRC 32°~35°
- Surface finish : Black Oxide.

MODEL NO.	A"	B	C	kg
PT43-0418-16	1/2"-13	M18x2	16	0.015
PT43-0522-20	5/8"-11	M22x2	20	0.025

PT44

POSITIONING BUSHING



- Material : SUJ2(JIS)
- Heat treated : HRC 60°

MODEL NO.	A"	B	C	R1	R2	R3	L1	kg
PT44-0420-12	1/2"	20	12	1.5	1	0.5	1.5	0.017
PT44-0523-16	5/8"	23	16	1.5	1	0.5	1.5	0.025

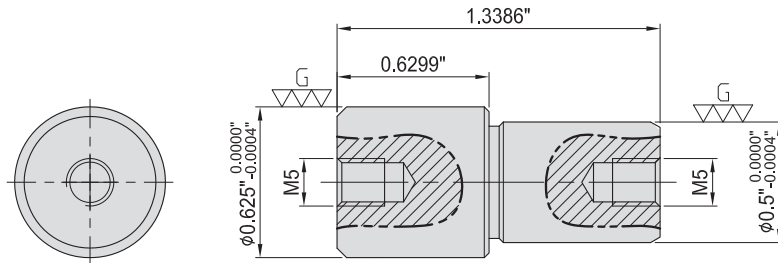
PT60

STEP DOWEL PIN

MTP HOLE ADAPTERS Adapts 5/8" to 1/2"



- Material : SCM440(JIS)
- Heat treated : HRC 45°



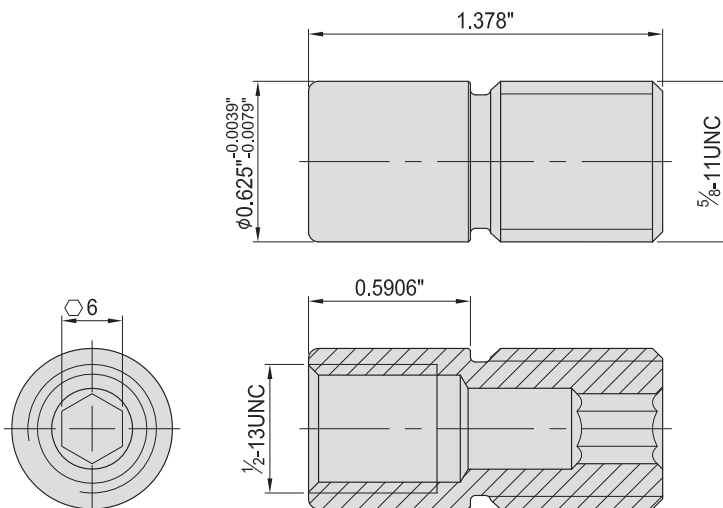
PT61

THREAD ADAPTER

MTP HOLE ADAPTERS Adapts 5/8" to 1/2"



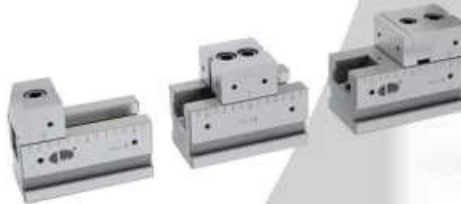
- Material : S45C(JIS)
- Heat treated : HRC 32°~35°
- Surface finish : Black Oxide.





SVF MODULAR VISE SYSTEM

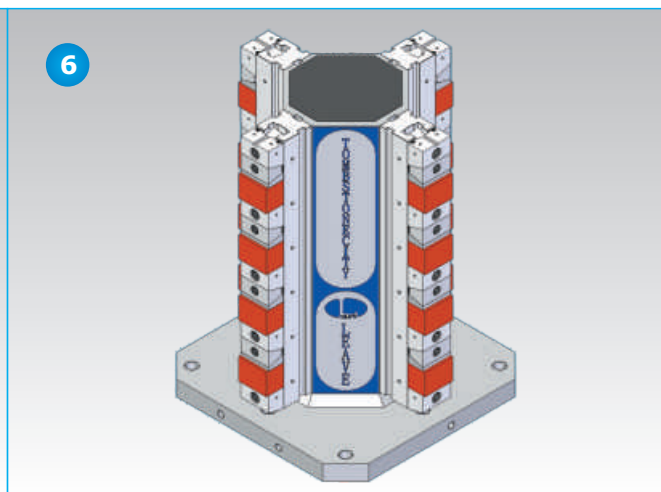
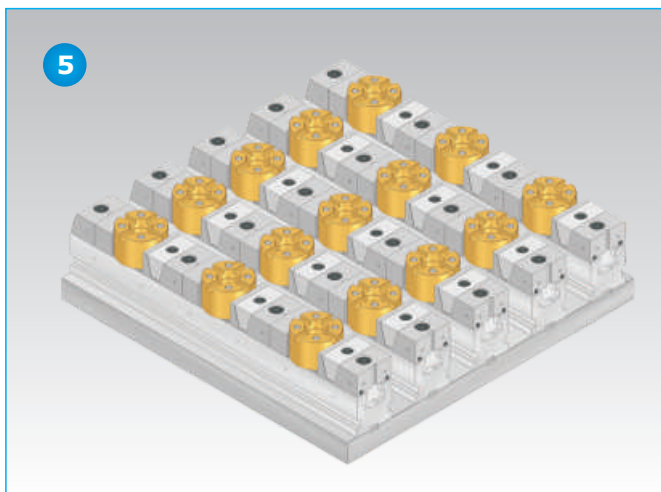
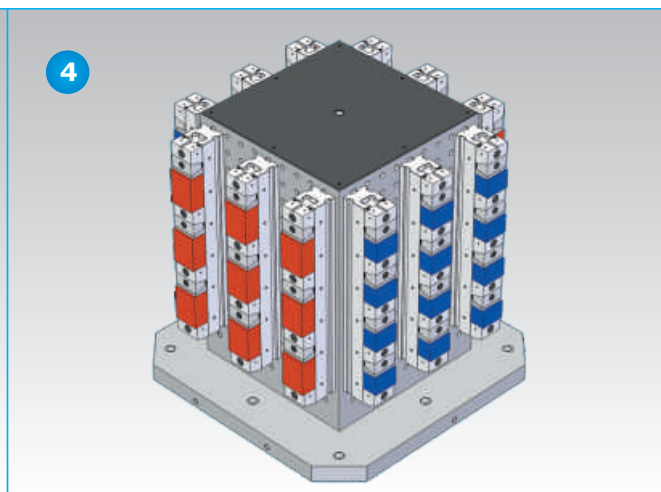
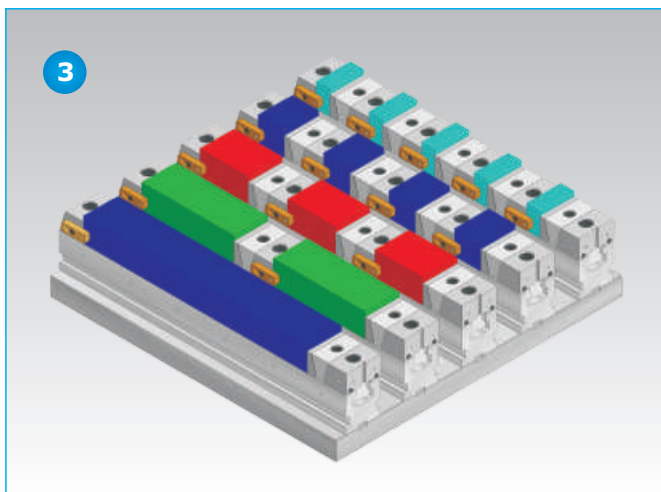
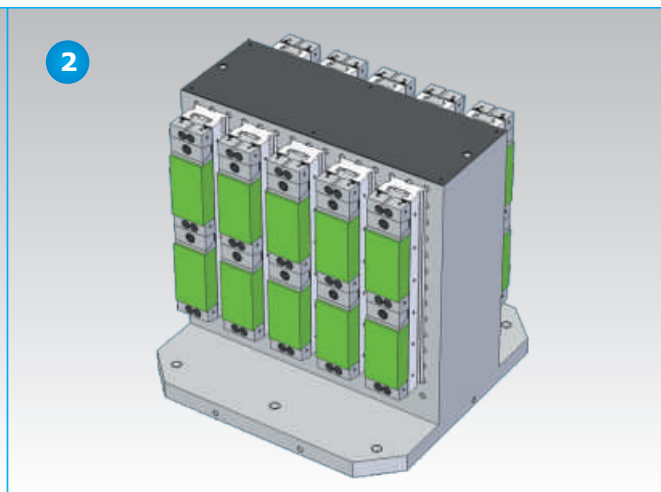
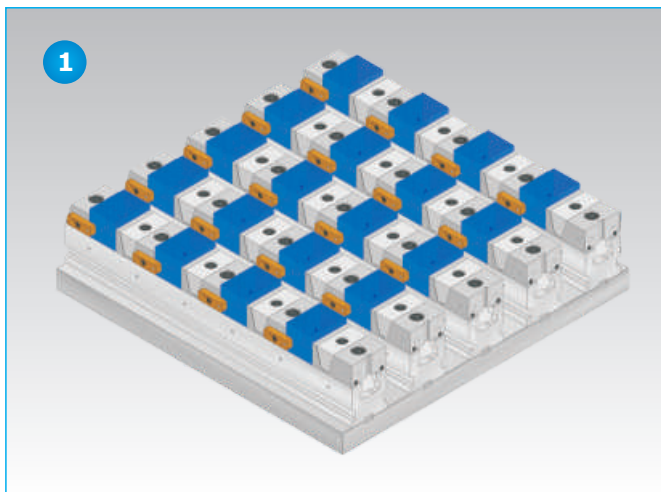
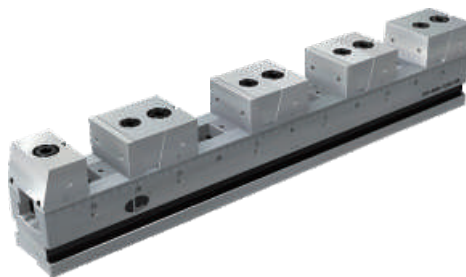
SVF-A,B,BE,C, SVF-CB, SVFX



FLEXIBLE LINE UP VISE SERIES M/C OCTAGONAL CUBE INDEXING TABLE

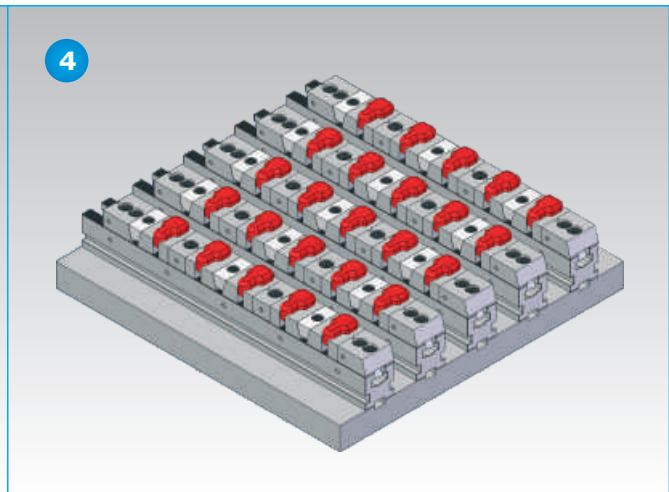
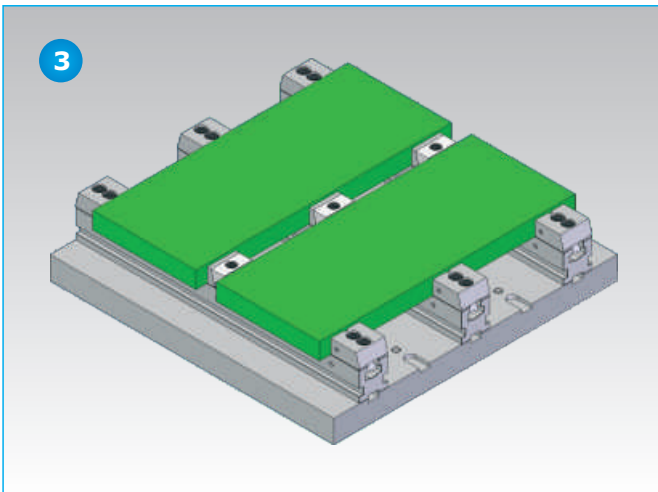
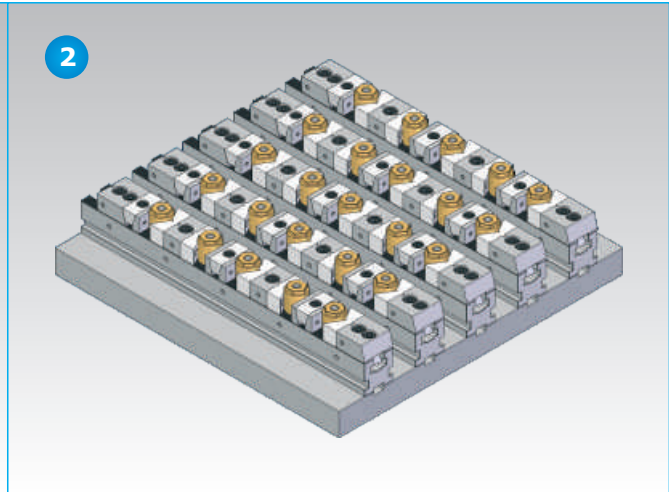
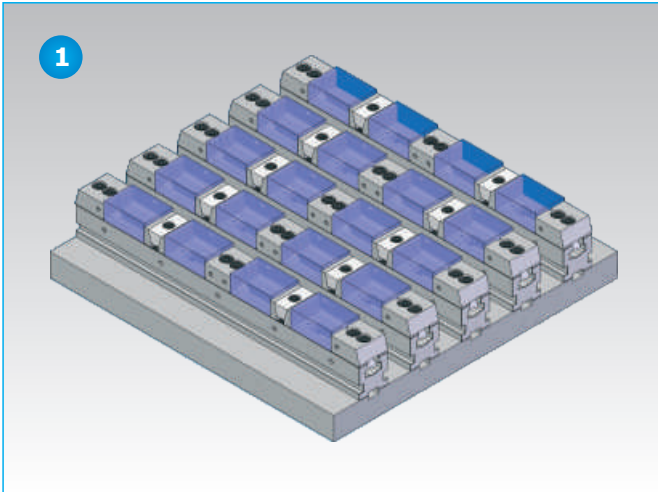
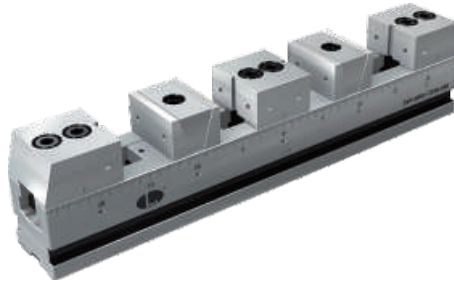
SVF-A One Direction Clamping

Clamping Examples



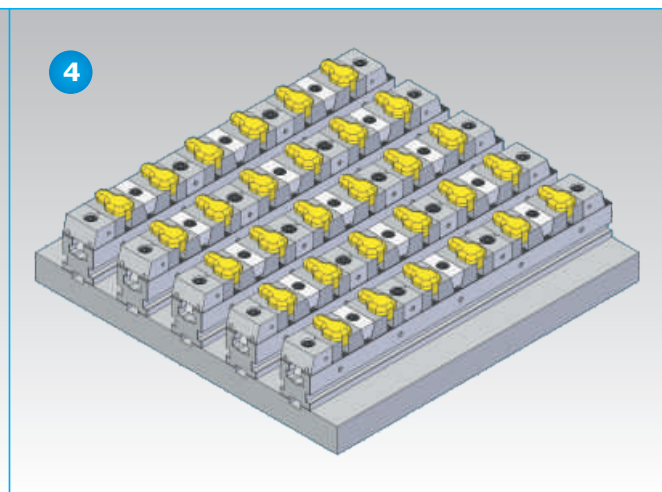
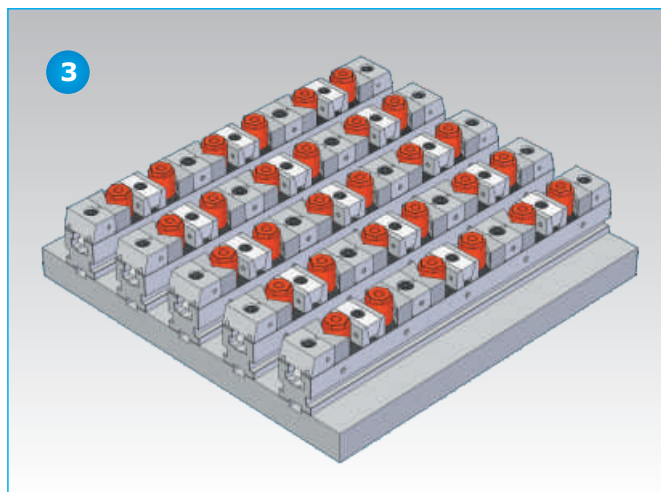
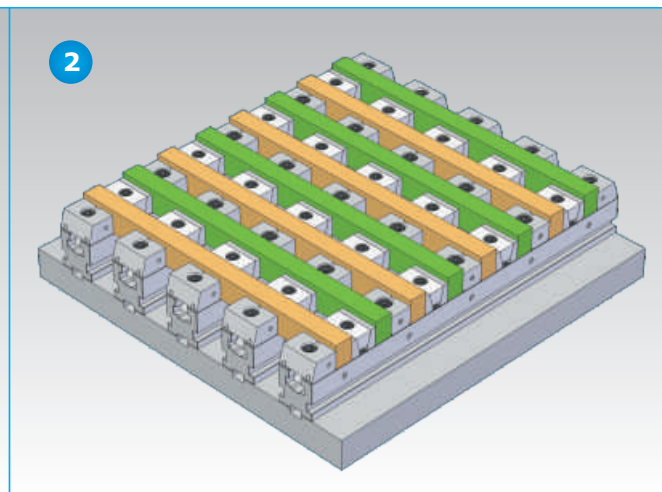
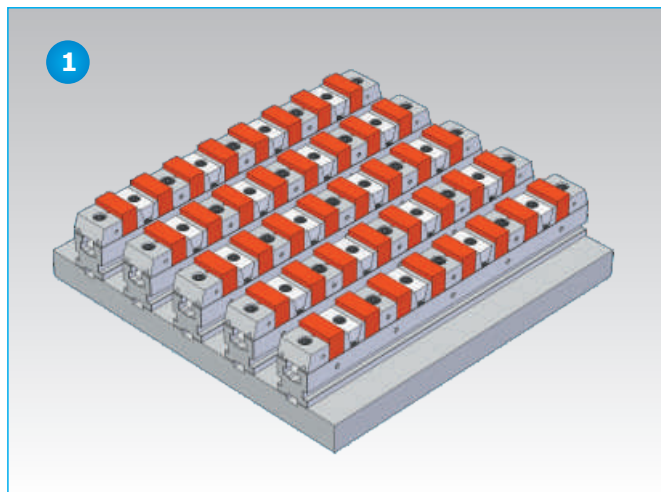
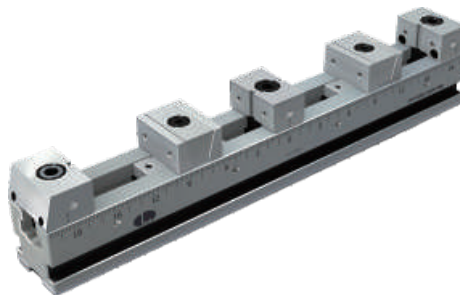
SVF-B Bi-direction Clamping

Clamping Examples



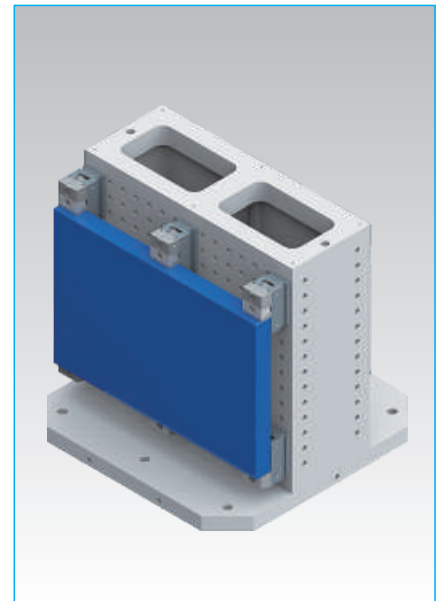
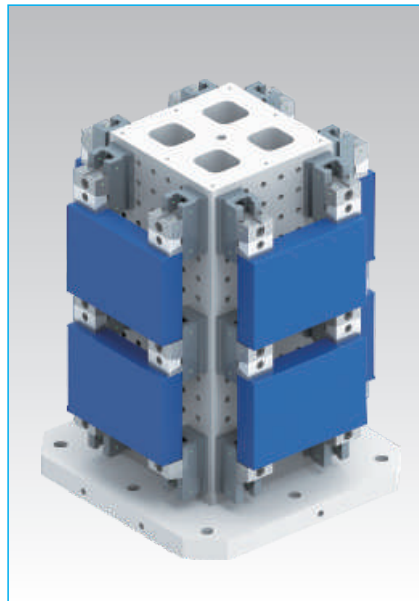
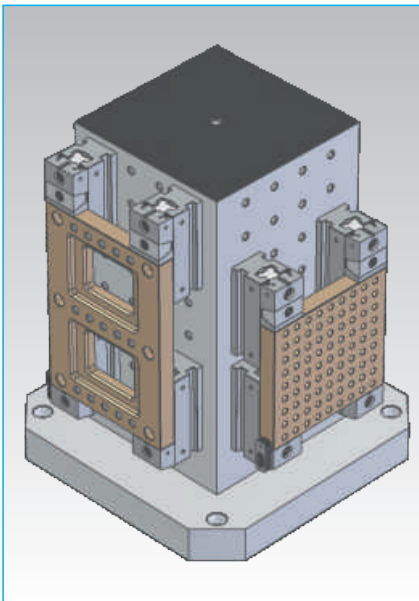
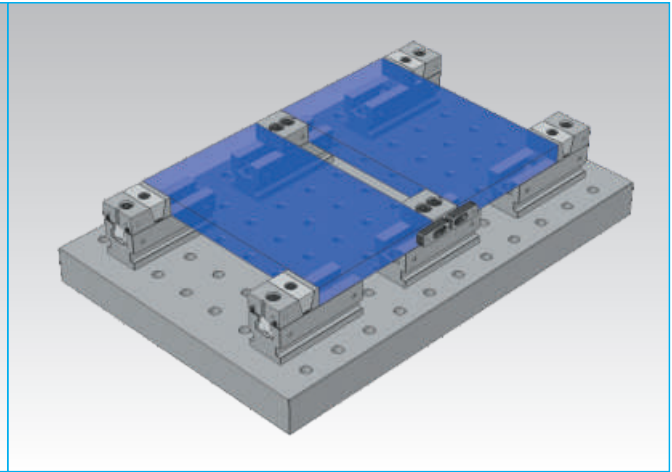
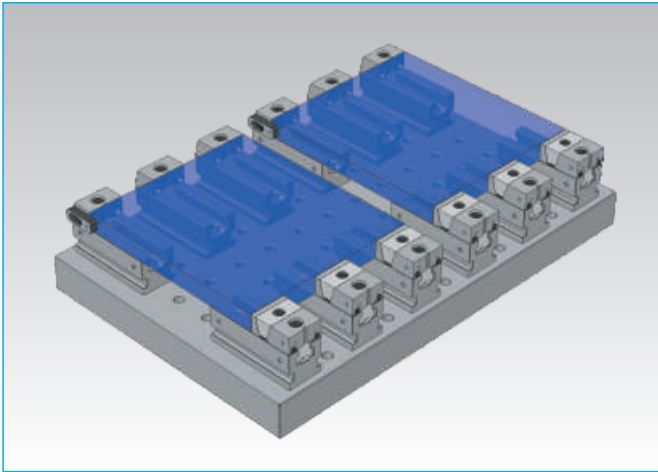
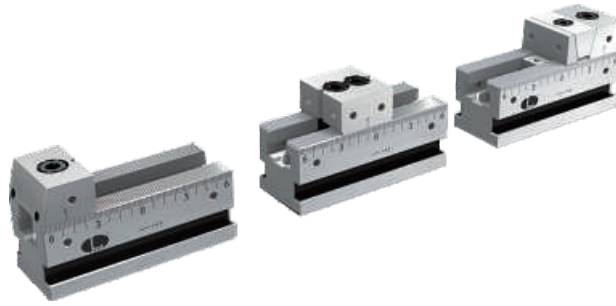
SVF-BE Bi-direction Clamping

Clamping Examples



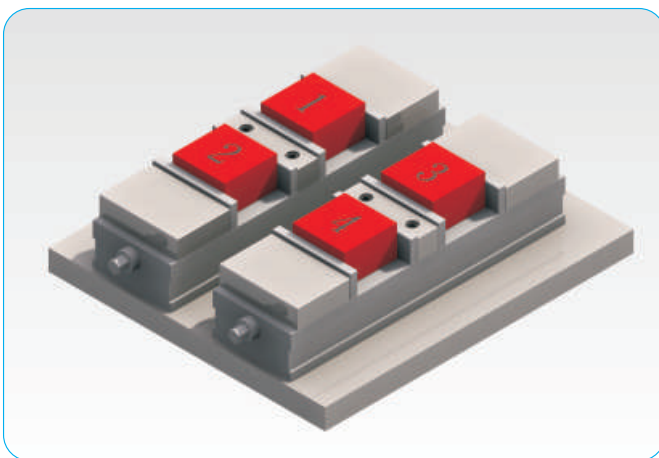
SVF-C

Clamping Examples

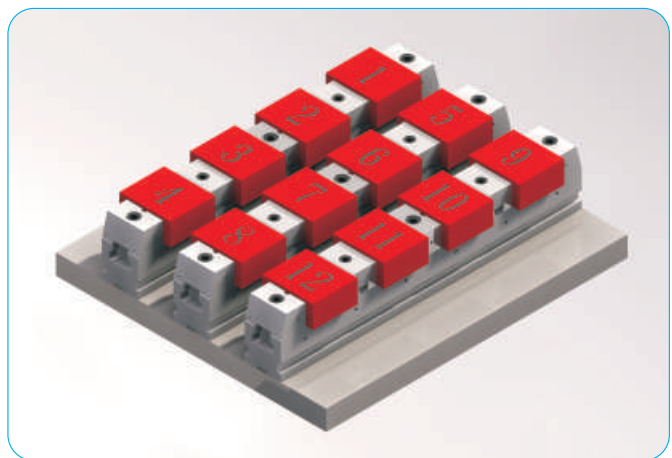


The SVF vise system will:

- **Optimize your machine real estate to the fullest extent**
- **Increase production**
- **Streamline the work holding process**
- **Give you a true competitive edge**



Traditional vise



SVF series vise

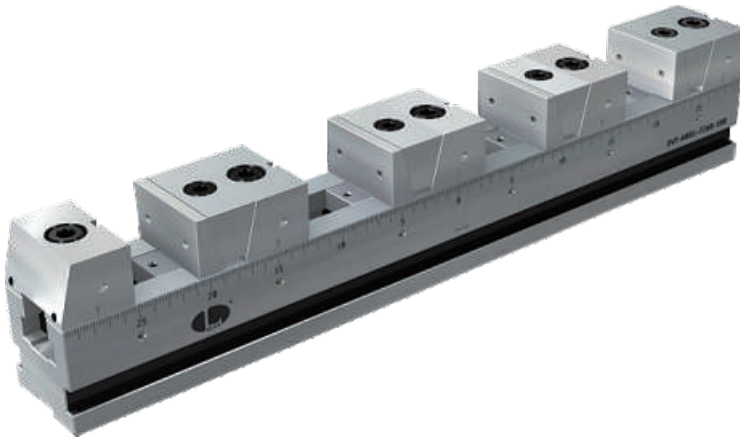
Clamping force: SVF-50 : 2200 lbs
 SVF-72 : 4400 lbs
 SVF-100: 6600 lbs

SVF-A type vs SVF-B type

Type		SVF-A	SVF-B
Common features	1	Can accommodate a wide range of part quantities & sizes.	
	2	Can accommodate both regular & irregular shaped parts.	
Differences	1	One way clamping.	Two way clamping.

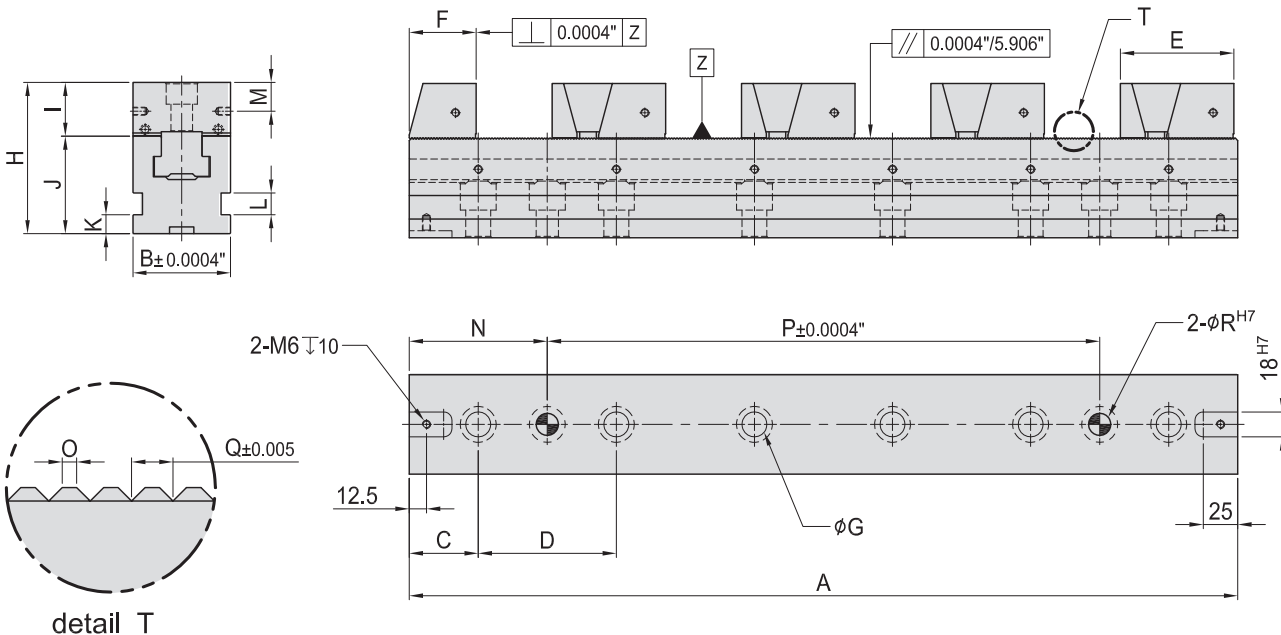
SVF-A FLEXIBLE LINE UP VISE SERIES

- One way clamping**
- Material 100% tool steel
 - Heat treated HRC 55° & ground



**High Capacity
High Flexibility**

Clamping force:
 SVF-50 : 2200 lbs
 SVF-72 : 4400 lbs
 SVF-100 : 6600 lbs



PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
 PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

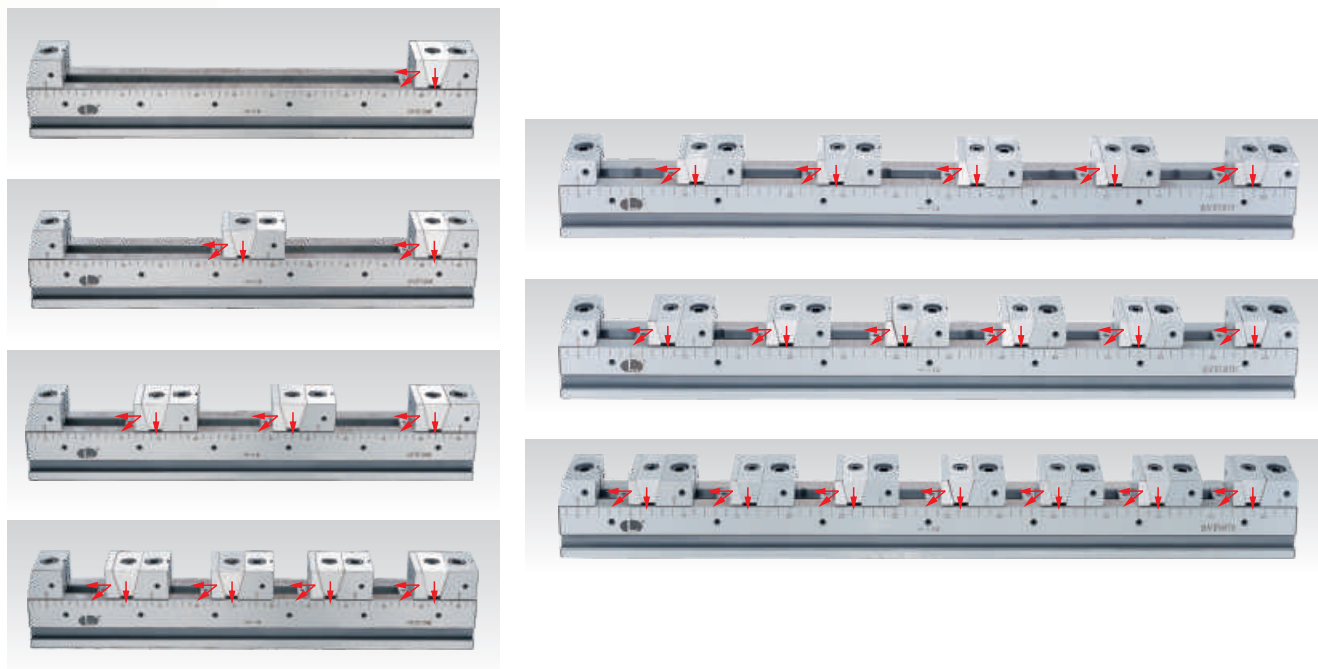
MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	I"	J"	K"	L"	M"	N"	O"	P"	Q"	R"	lb		
10-SVF-A-5030-100*	11.81	1.97	1.90	4	2.39	1.38	14	2.95	0.98	1.97	10	12	12.5	3.91	0.50	0.020"	4	1.50	0.059"	1/2	14.3
10-SVF-A-5040-100*	15.75		1.87											3.87			8				
10-SVF-A-5050-100	19.69	1.97	1.84	4	2.39	1.38	14	2.95	0.98	1.97	10	12	12.5	3.84	0.50	0.020"	12	1.50	0.059"	1/2	22.1
10-SVF-A-5060-100	23.62		1.81											3.81			16				
10-SVF-A-5070-100	27.56	1.97	1.78	4	2.39	1.40	14	2.95	0.98	1.97	10	12	12.5	3.78	0.50	0.020"	20	1.50	0.059"	1/2	28.7
10-SVF-A-7240-100*	15.75	2.83	1.87	4	3.23	1.89	18	4.41	1.56	2.83	14	16	21.3	3.87	0.70	0.028"	8	2.00	0.079"	5/8	41.9
10-SVF-A-7250-100	19.69		1.84											3.84			12				
10-SVF-A-7260-100	23.62	2.83	1.81	4	3.23	1.89	18	4.41	1.56	2.83	14	16	21.3	3.81	0.70	0.028"	16	2.00	0.079"	5/8	59.5
10-SVF-A-7270-100	27.56		1.78											3.78			20				
10-SVF-A-10040-100*	15.75	3.94	1.87	4	3.67	1.89	18	4.53	1.70	2.83	14	16	22.2	3.87	0.85	0.033"	8	2.50	0.098"	5/8	63.9
10-SVF-A-10050-100	19.69		1.84											3.84			12				
10-SVF-A-10060-100	23.62	3.94	1.81	4	3.67	1.89	18	4.53	1.70	2.83	14	16	22.2	3.81	0.85	0.033"	16	2.50	0.098"	5/8	90.4
10-SVF-A-10070-100	27.56		1.78											3.78			20				

(SVF vises listed above come equipped to clamp 1-4 parts, if additional part clamping is required please order optional accessories as listed on pages 3-14 ~ 3-19)

* these units will only hold up to 3 parts.

SVF-A

Forcing direction



Maximum width of the workpieces which can be clamped

MODEL NO.	1 pcs	2 pcs	3 pcs	4 pcs
	10-SVF-A-5030	7.992"	2.795"	1.063"
10-SVF-A-5040	11.929"	4.764"	2.362"	1.181"
10-SVF-A-5050	15.866"	6.732"	3.701"	2.165"
10-SVF-A-5060	19.803"	8.701"	5.000"	3.150"
10-SVF-A-5070	23.740"	10.669"	6.299"	4.134"
10-SVF-A-7240	10.591"	3.661"	1.378"	--
10-SVF-A-7250	14.528"	5.630"	2.677"	1.181"
10-SVF-A-7260	18.465"	7.598"	3.976"	2.165"
10-SVF-A-7270	22.402"	9.567"	5.315"	3.150"
10-SVF-A-10040	10.157"	3.228"	0.945"	--
10-SVF-A-10050	14.094"	5.197"	2.244"	0.748"
10-SVF-A-10060	18.031"	7.165"	3.543"	1.732"
10-SVF-A-10070	21.969"	9.134"	4.882"	2.717"

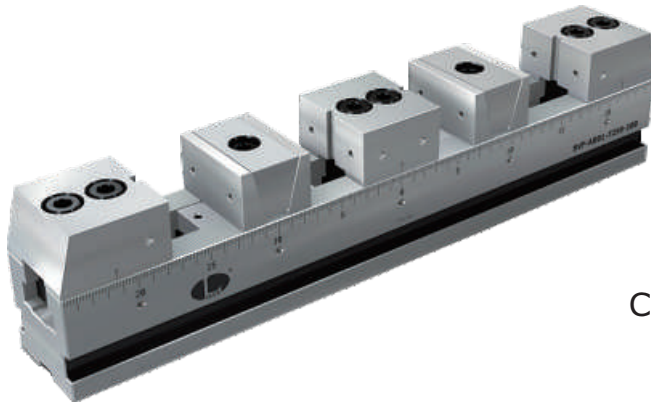
MODEL NO.	5 pcs	6 pcs	7 pcs	8 pcs	9 pcs
	10-SVF-A-5030	--	--	--	--
10-SVF-A-5040	--	--	--	--	--
10-SVF-A-5050	1.260"	0.630"	--	--	--
10-SVF-A-5060	2.047"	1.299"	0.787"	--	--
10-SVF-A-5070	2.835"	1.969"	1.339"	0.866"	0.512"
10-SVF-A-7240	--	--	--	--	--
10-SVF-A-7250	--	--	--	--	--
10-SVF-A-7260	1.102"	--	--	--	--
10-SVF-A-7270	1.890"	1.024"	--	--	--
10-SVF-A-10040	--	--	--	--	--
10-SVF-A-10050	--	--	--	--	--
10-SVF-A-10060	0.669"	--	--	--	--
10-SVF-A-10070	1.457"	--	--	--	--

SVF-B

FLEXIBLE LINE UP VISE SERIES

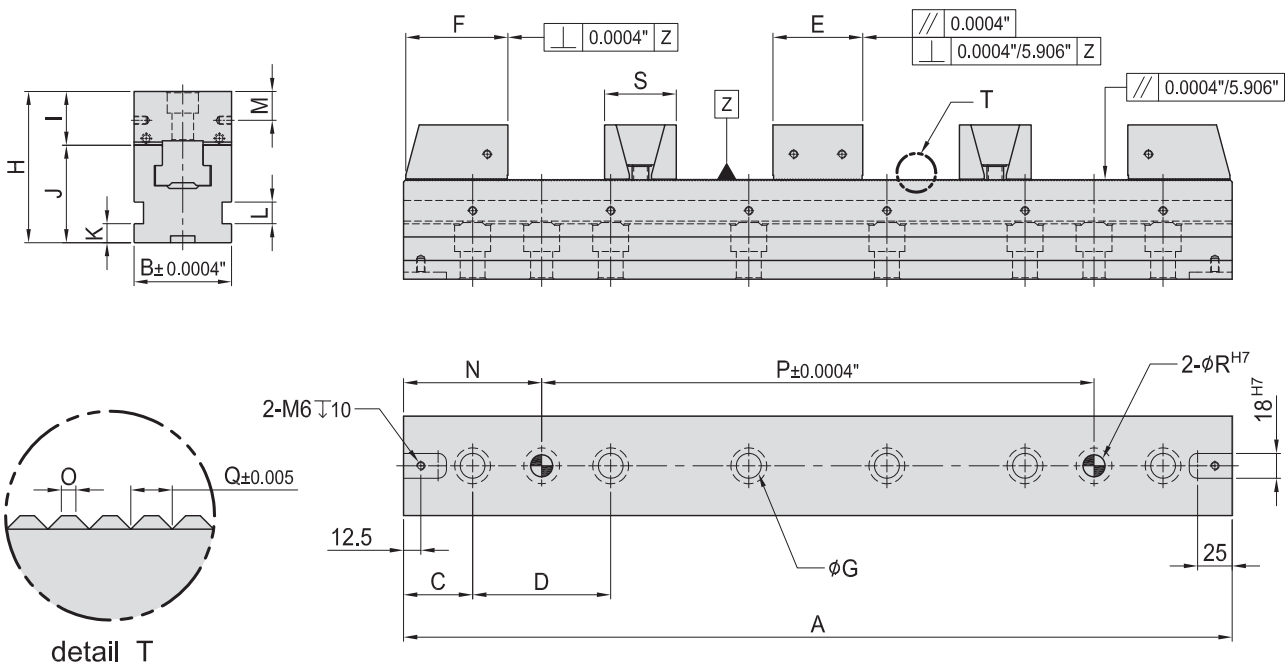
Two way clamping

- Material 100% tool steel
- Heat treated HRC 55° & ground



**High Capacity
High Flexibility**

SVF-50 : 2200 lbs
Clamping force: SVF-72 : 4400 lbs
SVF-100: 6600 lbs



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MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	I"	J"	K"	L"	M"	N"	O	P"	Q	R"	S"	lb		
10-SVF-B-5030-100	11.81	1.97	1.90	4	1.73	1.97	14	2.95	0.98	1.97	10	12	12.5	3.91	0.50	0.020"	4	1.5	0.059"	1/2	1.42	14.3
10-SVF-B-5040-100	15.75		1.87	3.87	8	16.8																
10-SVF-B-5050-100	19.69	1.97	1.84	4	1.73	1.97	14	2.95	0.98	1.97	10	12	12.5	3.84	0.50	0.020"	12	1.5	0.059"	1/2	1.42	19.8
10-SVF-B-5060-100	23.62		1.81	3.81	16	23.2																
10-SVF-B-5070-100	27.56	1.97	1.78	4	1.73	1.97	14	2.95	0.98	1.97	10	12	12.5	3.78	0.50	0.020"	20	1.5	0.059"	1/2	1.42	26.5
10-SVF-B-7240-100	15.75	2.83	1.87	4	2.56	2.91	18	4.41	1.56	2.83	14	16	21.3	3.87	0.70	0.028"	8	2.0	0.079"	5/8	2.05	41.9
10-SVF-B-7250-100	19.69		1.84	3.84	12	59.5																
10-SVF-B-7260-100	23.62	2.83	1.81	4	2.56	2.91	18	4.41	1.56	2.83	14	16	21.3	3.81	0.70	0.028"	16	2.0	0.079"	5/8	2.05	55.1
10-SVF-B-7270-100	27.56		1.78	3.78	20	60.6																
10-SVF-B-10040-100*	15.75	3.94	1.87	4	2.76	2.95	18	4.53	1.70	2.83	14	16	22.2	3.87	0.85	0.033"	8	2.5	0.098"	5/8	2.56	58.4
10-SVF-B-10050-100	19.69		1.84	3.84	12	71.7																
10-SVF-B-10060-100	23.62	3.94	1.81	4	2.76	2.95	18	4.53	1.70	2.83	14	16	22.2	3.81	0.85	0.033"	16	2.5	0.098"	5/8	2.56	80.7
10-SVF-B-10070-100	27.56		1.78	3.78	20	90.4																

(SVF vises listed above come equipped to clamp 1-4 parts, if additional part clamping is required please order optional accessories as listed on pages 3-14 ~ 3-19)

* these units will only hold up to 3 parts.

SVF-B

Forcing direction



Maximum width of the workpieces which can be clamped

MODEL NO.	1 pcs	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs
10-SVF-B-5030	6.929"	3.228"	1.260"	0.827"	--	--
10-SVF-B-5040	10.866"	5.197"	2.559"	1.811"	0.906"	0.669"
10-SVF-B-5050	14.803"	7.165"	3.858"	2.795"	1.693"	1.339"
10-SVF-B-5060	18.740"	9.134"	5.197"	3.780"	2.480"	1.969"
10-SVF-B-5070	22.677"	11.102"	6.496"	4.764"	3.268"	2.638"
10-SVF-B-7240	8.543"	3.937"	1.299"	0.787"	--	--
10-SVF-B-7250	12.480"	5.906"	2.559"	1.772"	0.630"	--
10-SVF-B-7260	16.417"	7.874"	3.937"	2.756"	1.417"	1.063"
10-SVF-B-7270	20.354"	9.843"	5.236"	3.740"	2.205"	1.732"
10-SVF-B-10040	8.031"	3.622"	0.906"	--	--	--
10-SVF-B-10050	11.969"	5.591"	2.205"	1.457"	--	--
10-SVF-B-10060	15.906"	7.559"	3.504"	2.441"	1.024"	0.709"
10-SVF-B-10070	19.843"	9.528"	4.843"	3.425"	1.811"	1.378"

MODEL NO.	7 pcs	8 pcs	9 pcs	10 pcs	11 pcs
10-SVF-B-5030	--	--	--	--	--
10-SVF-B-5040	--	--	--	--	--
10-SVF-B-5050	0.748"	0.591"	--	--	--
10-SVF-B-5060	1.299"	1.102"	0.669"	0.551"	--
10-SVF-B-5070	1.890"	1.575"	1.102"	0.945"	0.630"
10-SVF-B-7240	--	--	--	--	--
10-SVF-B-7250	--	--	--	--	--
10-SVF-B-7260	--	--	--	--	--
10-SVF-B-7270	0.906"	0.709"	--	--	--
10-SVF-B-10040	--	--	--	--	--
10-SVF-B-10050	--	--	--	--	--
10-SVF-B-10060	--	--	--	--	--
10-SVF-B-10070	--	--	--	--	--

SVF-BE

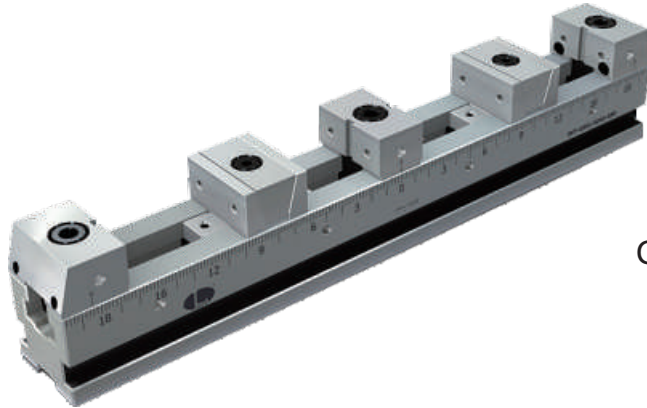
FLEXIBLE LINE UP VISE SERIES

Two way clamping

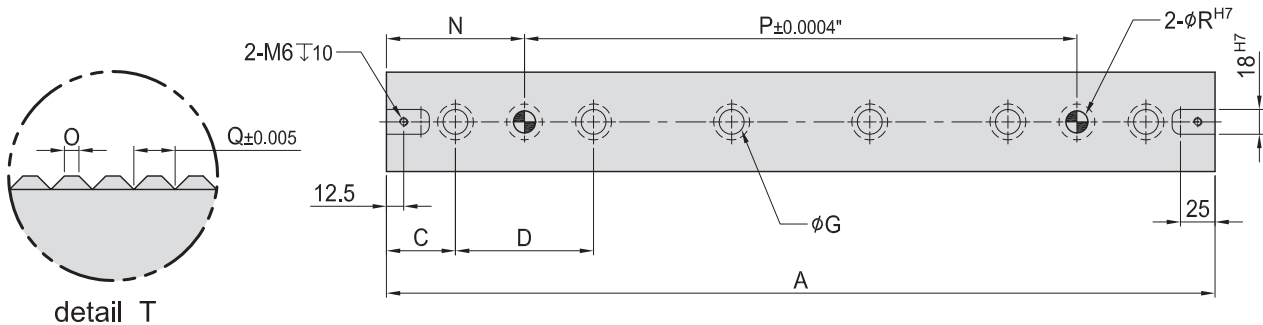
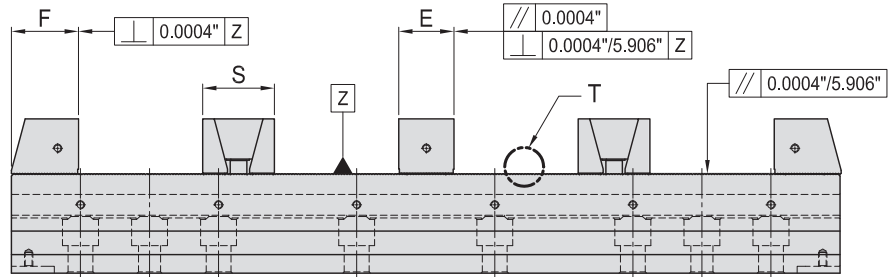
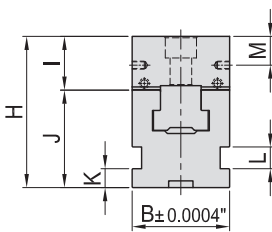
BE series offers more parts held & larger size parts held - compared to the "B" series

- Material 100% tool steel
- Heat treated HRC 55° & ground

**High Capacity
High Flexibility**



SVF-50 : 2200 lbs
Clamping force: SVF-72 : 4400 lbs
SVF-100 : 6600 lbs



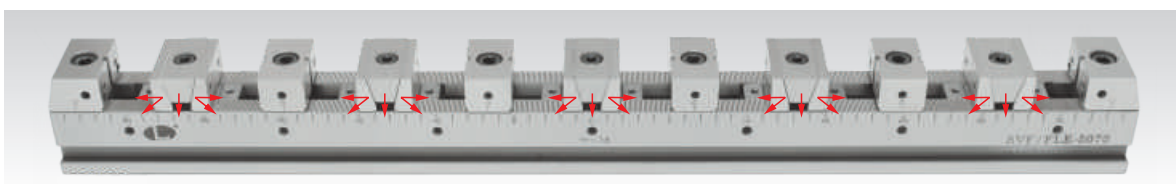
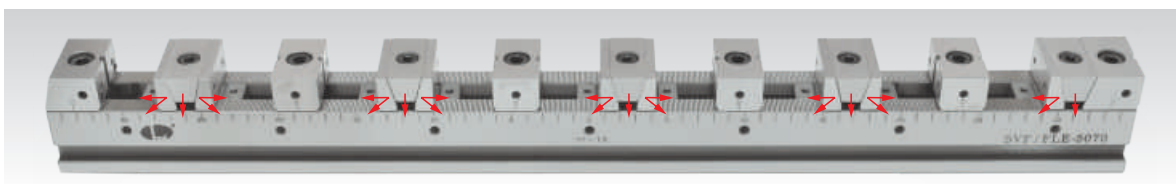
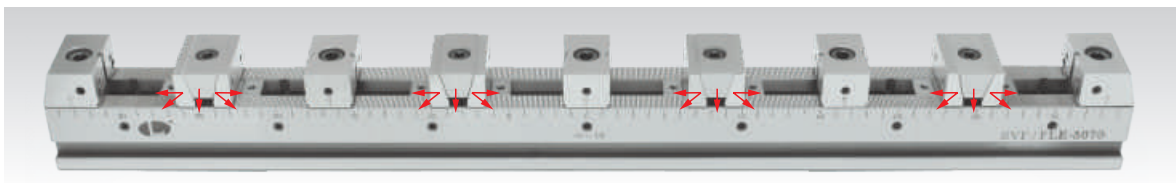
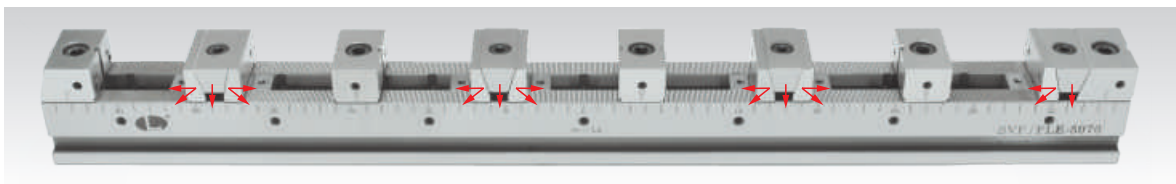
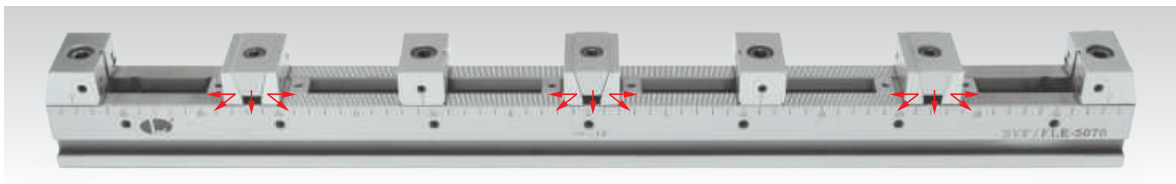
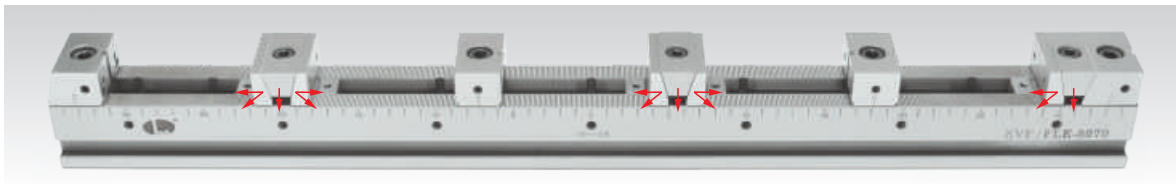
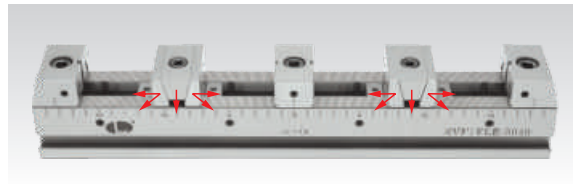
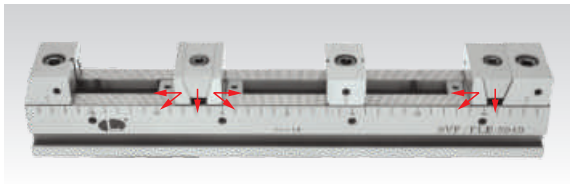
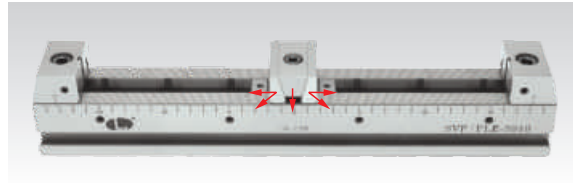
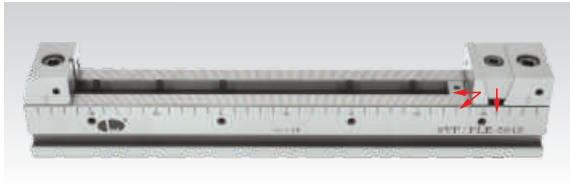
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MODEL NO.	A"	B"	C"	D"	E"	F"	G"	H"	I"	J"	K"	L"	M"	N"	O	P"	Q	R"	S"	lb		
10-SVF-BE-5030-100	11.81	1.97	1.90	4	1.18	1.42	14	2.95	0.98	1.97	10	12	12.5	3.91	0.50	0.020"	4	1.5	0.059"	1/2	1.42	13.2
10-SVF-BE-5040-100	15.75		1.87	3.87	8	16.5																
10-SVF-BE-5050-100	19.69	1.97	1.84	4	1.18	1.42	14	2.95	0.98	1.97	10	12	12.5	3.84	0.50	0.020"	12	1.5	0.059"	1/2	1.42	19.8
10-SVF-BE-5060-100	23.62		1.81	3.81	16	22.5																
10-SVF-BE-5070-100	27.56	1.97	1.78	4	1.18	1.40	14	2.95	0.98	1.97	10	12	12.5	3.78	0.50	0.020"	20	1.5	0.059"	1/2	1.42	25.4
10-SVF-BE-7240-100	15.75	2.83	1.87	4	1.57	1.89	18	4.41	1.56	2.83	14	16	21.3	3.87	0.70	0.028"	8	2.0	0.079"	5/8	2.05	39.7
10-SVF-BE-7250-100	19.69		1.84	3.84	12	46.3																
10-SVF-BE-7260-100	23.62	2.83	1.81	4	1.57	1.89	18	4.41	1.56	2.83	14	16	21.3	3.81	0.70	0.028"	16	2.0	0.079"	5/8	2.05	52.9
10-SVF-BE-7270-100	27.56		1.78	3.78	20	58.4																
10-SVF-BE-10040-100	15.75	3.94	1.87	4	1.73	1.89	18	4.53	1.70	2.83	14	16	22.2	3.87	0.85	0.033"	8	2.5	0.098"	5/8	2.56	5.5
10-SVF-BE-10050-100	19.69		1.84	3.84	12	68.4																
10-SVF-BE-10060-100	23.62	3.94	1.81	4	1.73	1.89	18	4.53	1.70	2.83	14	16	22.2	3.81	0.85	0.033"	16	2.5	0.098"	5/8	2.56	77.2
10-SVF-BE-10070-100	27.56		1.78	3.78	20	86.0																

(SVF vises listed above come equipped to clamp 1-4 parts, if additional part clamping is required please order optional accessories as listed on pages 3-14 ~ 3-19)



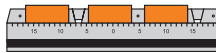

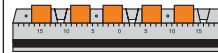
SVF-BE





Forcing direction







SVF-BE

Maximum width of the workpieces which can be clamped

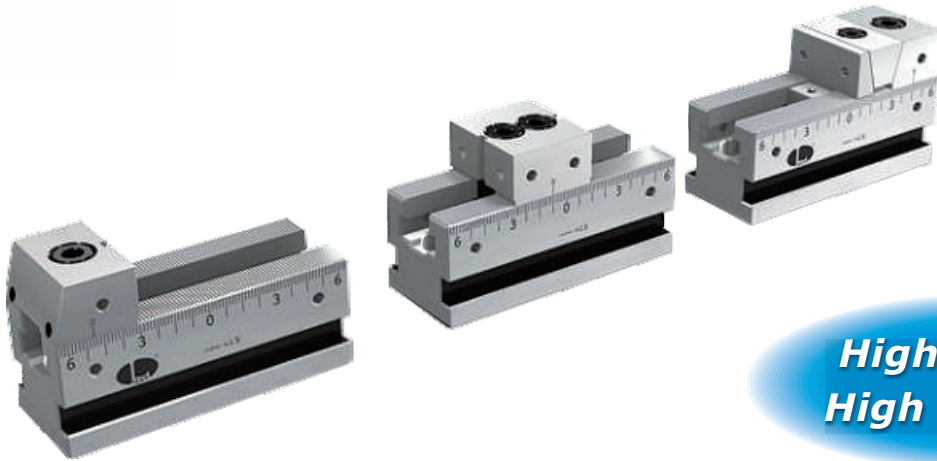
MODEL NO.	1 pcs	2 pcs	3 pcs	4 pcs	5 pcs
					
10-SVF-BE-5030	7.992"	3.780"	1.772"	1.220"	0.551"
10-SVF-BE-5040	11.929"	5.748"	3.110"	2.205"	1.339"
10-SVF-BE-5050	15.866"	7.717"	4.409"	3.189"	2.126"
10-SVF-BE-5060	19.803"	9.685"	5.709"	4.173"	2.913"
10-SVF-BE-5070	23.740"	11.654"	7.047"	5.157"	3.701"
10-SVF-BE-7240	10.591"	4.961"	2.323"	1.575"	0.669"
10-SVF-BE-7250	14.528"	6.929"	3.622"	2.559"	1.457"
10-SVF-BE-7260	18.465"	8.898"	4.921"	3.543"	2.244"
10-SVF-BE-7270	22.402"	10.866"	6.260"	4.528"	3.031"
10-SVF-BE-10040	10.157"	4.685"	1.929"	1.260"	--
10-SVF-BE-10050	14.094"	6.654"	3.268"	2.244"	1.102"
10-SVF-BE-10060	18.031"	8.622"	4.567"	3.228"	1.890"
10-SVF-BE-10070	21.969"	10.591"	5.866"	4.213"	2.677"

MODEL NO.	6 pcs	7 pcs	8 pcs	9 pcs
				
10-SVF-BE-5030	--	--	--	--
10-SVF-BE-5040	1.024"	0.591"	--	--
10-SVF-BE-5050	1.693"	1.142"	0.945"	0.630"
10-SVF-BE-5060	2.362"	1.693"	1.417"	1.024"
10-SVF-BE-5070	2.992"	2.283"	1.929"	1.457"
10-SVF-BE-7240	--	--	--	--
10-SVF-BE-7250	1.102"	--	--	--
10-SVF-BE-7260	1.732"	1.063"	0.866"	--
10-SVF-BE-7270	2.402"	1.614"	1.339"	0.866"
10-SVF-BE-10040	--	--	--	--
10-SVF-BE-10050	0.748"	--	--	--
10-SVF-BE-10060	1.417"	0.709"	--	--
10-SVF-BE-10070	2.087"	1.260"	1.024"	--

MODEL NO.	10 pcs	11 pcs	12 pcs	13 pcs
				
10-SVF-BE-5030	--	--	--	--
10-SVF-BE-5040	--	--	--	--
10-SVF-BE-5050	--	--	--	--
10-SVF-BE-5060	0.866"	0.591"	--	--
10-SVF-BE-5070	1.260"	0.945"	0.827"	0.630"
10-SVF-BE-7240	--	--	--	--
10-SVF-BE-7250	--	--	--	--
10-SVF-BE-7260	--	--	--	--
10-SVF-BE-7270	0.709"	--	--	--
10-SVF-BE-10040	--	--	--	--
10-SVF-BE-10050	--	--	--	--
10-SVF-BE-10060	--	--	--	--
10-SVF-BE-10070	--	--	--	--

SVF-C FLEXIBLE LINE UP VISE SERIES

- Material 100% tool steel
- Heat treated HRC 55° & ground



**High Capacity
High Flexibility**

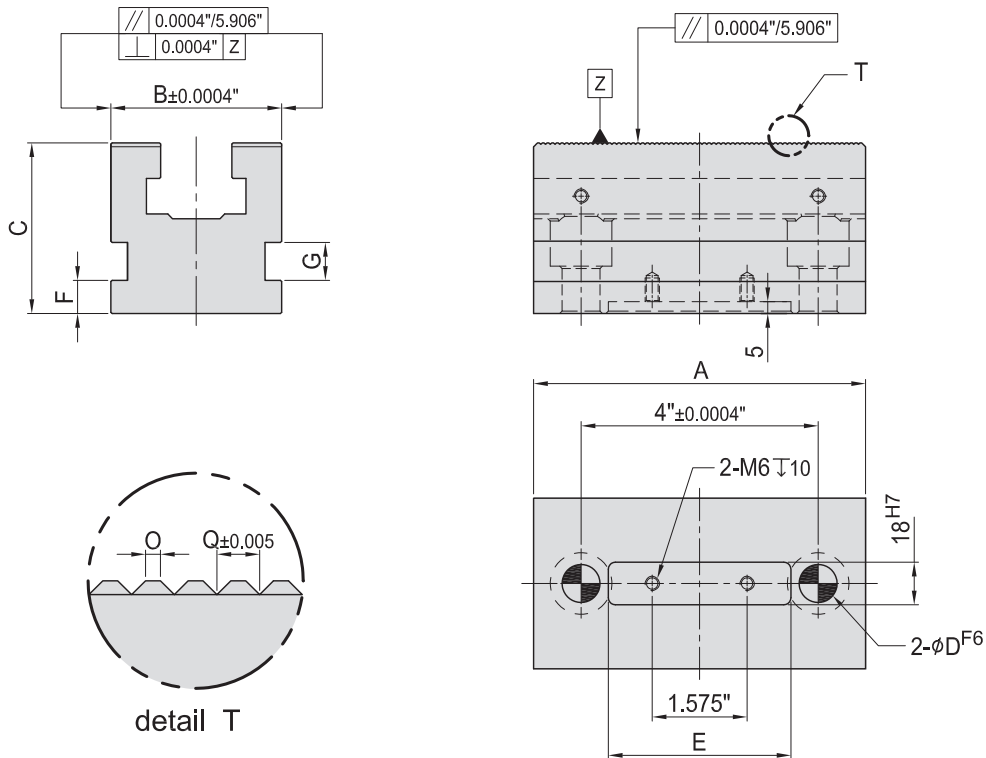
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MODEL NO.	lb
10-SVF-C-5013-100-A	4.4
10-SVF-C-7214-100-A	11.0
10-SVF-C-10050-100-A	16.5

MODEL NO.	lb
10-SVF-C-5013-100-B	4.9
10-SVF-C-7214-100-B	12.6
10-SVF-C-10050-100-B	18.7

MODEL NO.	lb
10-SVF-C-5013-100-C	5.5
10-SVF-C-7214-100-C	13.7
10-SVF-C-10050-100-C	21.6

Main body

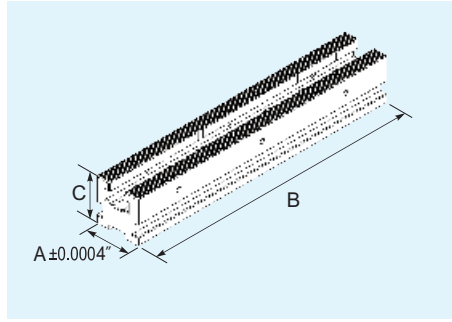


MODEL NO.	A"	B"	C"	D"	E"	F	G	O	Q	lb		
10-SVF-AB01-5013-100	5.12	1.97	1.97	1/2	3.03	10	12	0.50	0.020"	1.5	0.059"	3.5
10-SVF-AB01-7214-100	5.51	2.83	2.83	5/8	3.03	14	16	0.70	0.028"	2.0	0.079"	8.8
10-SVF-AB01-10015-100	5.83	3.94	2.83	5/8	3.03	14	16	0.85	0.033"	2.5	0.098"	12.8

SVF

Optional accessory parts

Main body

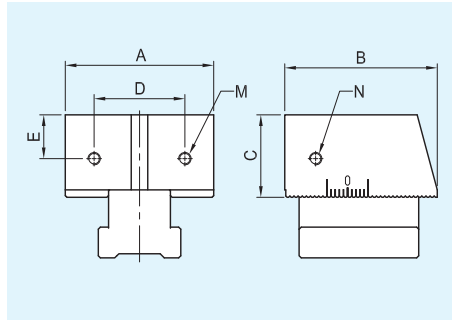
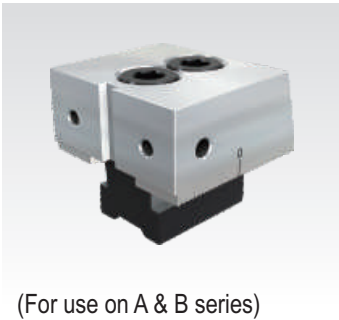


(For use on A, B & BE series)

AB01

TYPE	A"	B"	C"	lb
10-SVF-AB01-5030-100		11.81	1.97	8.82
10-SVF-AB01-5040-100	1.97	15.75		11.69
10-SVF-AB01-5050-100		19.69		14.77
10-SVF-AB01-5060-100	1.97	23.62	1.97	17.64
10-SVF-AB01-5070-100	1.97	27.56	1.97	20.95
10-SVF-AB01-7240-100		15.75	2.83	24.70
10-SVF-AB01-7250-100	2.83	19.69		30.87
10-SVF-AB01-7260-100		23.62		37.49
10-SVF-AB01-7270-100	2.83	27.56	2.83	44.10
10-SVF-AB01-10040-100		15.75	2.83	35.28
10-SVF-AB01-10050-100	3.94	19.69		44.10
10-SVF-AB01-10060-100		23.62		52.92
10-SVF-AB01-10070-100	3.94	27.56	2.83	61.74

Stationary wedge-heavy duty

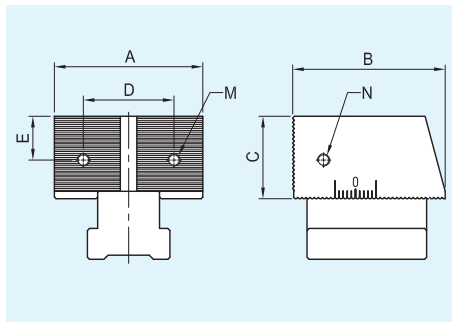


(For use on A & B series)

AB02

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-AB02-50	1.97	1.97	0.98	1.18	0.49	M5	M6	1.32
SVF-AB02-72	2.83	2.91	1.57	1.73	0.85	M6	M6	4.41
SVF-AB02-100	3.94	2.95	1.69	2.52	0.87	M8	M8	5.73

Serrated stationary wedge-heavy duty

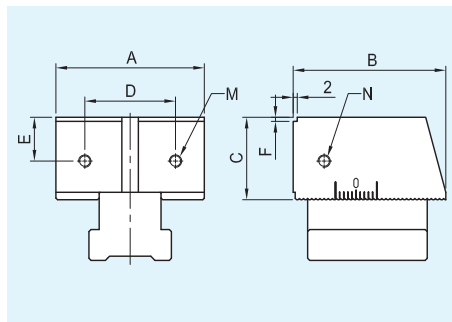
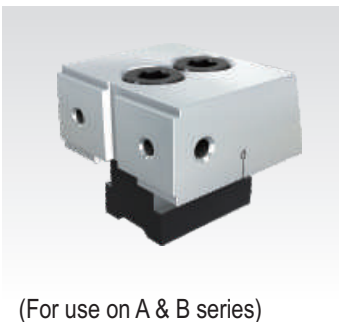


(For use on A & B series)

ABG02

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-ABG02-50	1.97	1.97	0.98	1.18	0.49	M5	M6	1.32
SVF-ABG02-72	2.83	2.91	1.57	1.73	0.85	M6	M6	4.41
SVF-ABG02-100	3.94	2.95	1.69	2.52	0.87	M8	M8	5.73

Step stationary wedge-heavy duty

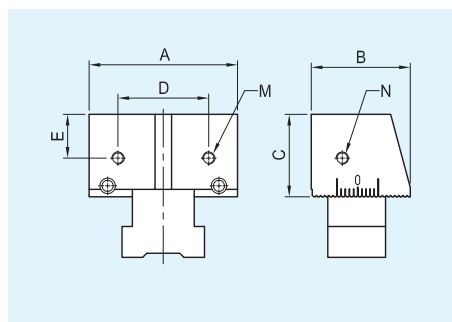
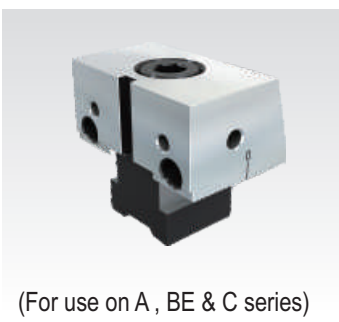


(For use on A & B series)

ABS02

TYPE	A"	B"	C"	D"	E"	M	N	F	lb
SVF-ABS02-502								2	
SVF-ABS02-505	1.97	1.97	0.98	1.18	0.49	M5	M6	5	1.32
SVF-ABS02-722								2	
SVF-ABS02-725	2.83	2.91	1.57	1.73	0.85	M6	M6	5	4.41
SVF-ABS02-1002								2	
SVF-ABS02-1005	3.94	2.95	1.69	2.52	0.87	M8	M8	5	5.73

Stationary wedge - standard duty



(For use on A, BE & C series)

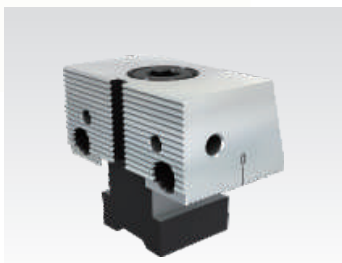
AB03

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-AB03-50	1.97	1.38	0.98	1.18	0.49	M5	M6	0.88
SVF-AB03-72	2.83	1.89	1.57	1.73	0.85	M6	M6	2.43
SVF-AB03-100	3.94	1.89	1.69	2.52	0.87	M8	M8	3.75

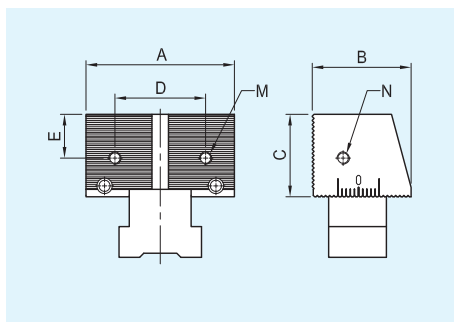
SVF

Optional accessory parts

Serrated Stationary wedge - standard duty



(For use on A ,BE & C series)



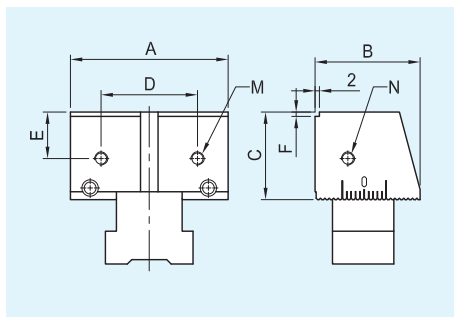
ABG03

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-ABG03-50	1.97	1.38	0.98	1.18	0.49	M5	M6	0.88
SVF-ABG03-72	2.83	1.89	1.57	1.73	0.85	M6	M6	2.43
SVF-ABG03-100	3.94	1.89	1.69	2.52	0.87	M8	M8	3.75

Step Stationary wedge - standard duty



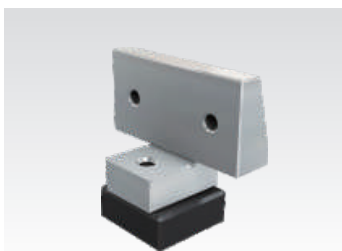
(For use on A ,BE & C series)



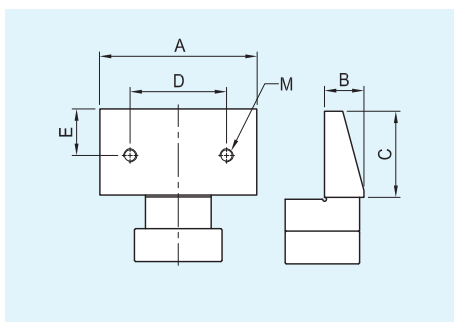
ABS03

TYPE	A"	B"	C"	D"	E"	F	M	N	lb
SVF-ABS03-502	1.97	1.38	0.98	1.18	0.49	2	M5	M6	0.88
5									
SVF-ABS03-722	2.83	1.89	1.57	1.73	0.85	2	M6	M6	2.43
5									
SVF-ABS03-1002	3.94	1.89	1.69	2.52	0.87	2	M8	M8	3.75
5									
SVF-ABS03-1005									

Moveable jaw



(For use on all series)



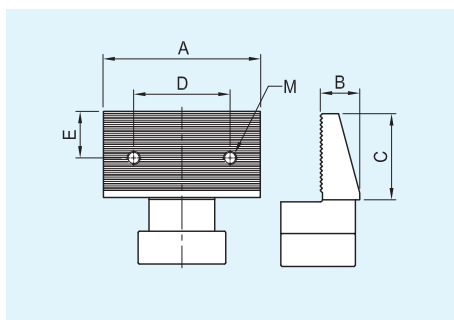
AB04

TYPE	A"	B"	C"	D"	E"	M	lb
SVF-AB04-50	1.97	0.47	0.96	1.18	0.49	M5	0.44
SVF-AB04-72	2.83	0.71	1.55	1.73	0.85	M6	1.32
SVF-AB04-100	3.94	0.83	1.65	2.52	0.87	M8	2.21

Serrated moveable jaw



(For use on all series)



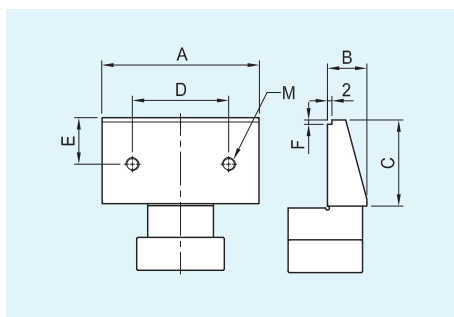
ABG04

TYPE	A"	B"	C"	D"	E"	M	lb
SVF-ABG04-50	1.97	0.47	0.96	1.18	0.49	M5	0.44
SVF-ABG04-72	2.83	0.71	1.55	1.73	0.85	M6	1.32
SVF-ABG04-100	3.94	0.83	1.65	2.52	0.87	M8	2.21

Step moveable jaw



(For use on all series)



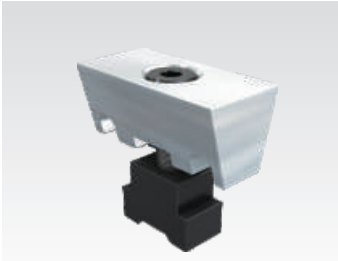
ABS04

TYPE	A"	B"	C"	D"	E"	F	M	lb
SVF-ABS04-502	1.97	0.47	0.96	1.18	0.49	2	M5	0.44
5								
SVF-ABS04-722	2.83	0.71	1.55	1.73	0.85	2	M6	1.32
5								
SVF-ABS04-1002	3.94	0.83	1.65	2.52	0.87	2	M8	2.21
5								
SVF-ABS04-1005								

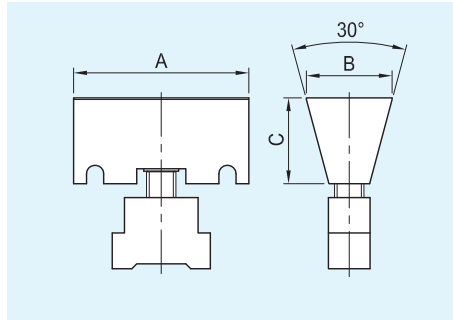
SVF

Optional accessory parts

Moveable wedge



(For use on A & C series)



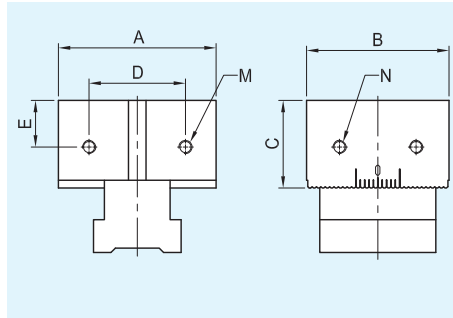
A01

TYPE	A"	B"	C"	lb
SVF-A01-50	1.97	0.94	0.87	0.44
SVF-A01-72	2.83	1.38	1.38	1.32
SVF-A01-100	3.94	1.77	1.50	1.65

Fixed jaw-heavy duty



(For use on B & C series)



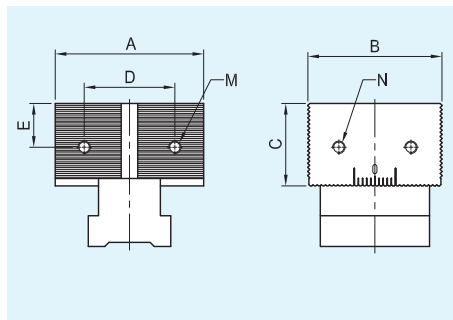
B01

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-B01-50	1.97	1.73	0.98	1.18	0.49	M5	M6	1.10
SVF-B01-72	2.83	2.56	1.57	1.73	0.85	M6	M6	3.97
SVF-B01-100	3.94	2.76	1.69	2.52	0.87	M8	M8	5.73

Serrated Fixed jaw-heavy duty



(For use on B & C series)



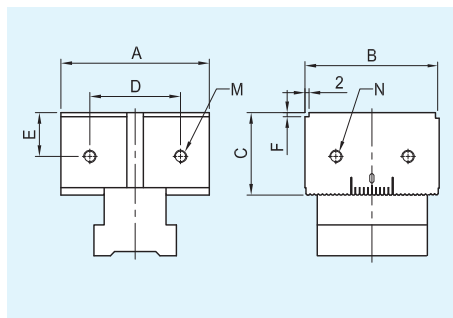
BG01

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-BG01-50	1.97	1.73	0.98	1.18	0.49	M5	M6	1.10
SVF-BG01-72	2.83	2.56	1.57	1.73	0.85	M6	M6	3.97
SVF-BG01-100	3.94	2.76	1.69	2.52	0.87	M8	M8	5.73

Step Fixed jaw-heavy duty



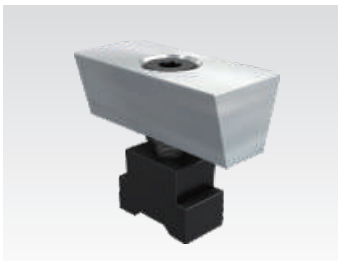
(For use on B & C series)



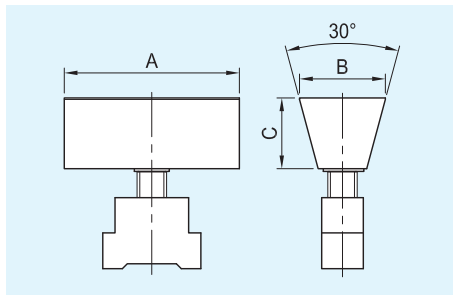
BS01

TYPE	A"	B"	C"	D"	E"	F	M	N	lb
SVF-BS01-502	1.97	1.73	0.98	1.18	0.49	2	M5	M6	1.10
5									
SVF-BS01-505	2.83	2.56	1.57	1.73	0.85	2	M6	M6	3.97
5									
SVF-BS01-722									
SVF-BS01-725	3.94	2.76	1.69	2.52	0.87	2	M8	M8	5.73
5									
SVF-BS01-1002									
SVF-BS01-1005						5			

Moveable wedge



(For use on B & BE series)



B02

TYPE	A"	B"	C"	lb
SVF-B02-50	1.97	0.89	0.71	0.44
SVF-B02-72	2.83	1.38	1.14	1.32
SVF-B02-100	3.94	1.77	1.30	2.87

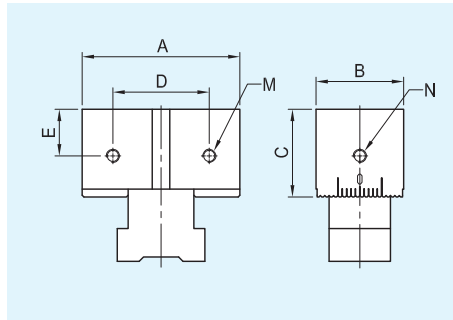
SVF

Optional accessory parts

Fixed jaw-standard duty



(For use on B & BE series)



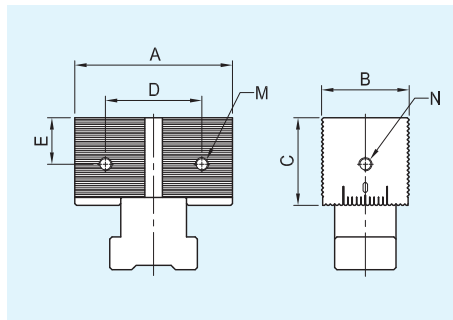
B03

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-B03-50	1.97	1.18	0.98	1.18	0.49	M5	M6	0.88
SVF-B03-72	2.83	1.57	1.57	1.73	0.85	M6	M6	2.43
SVF-B03-100	3.94	1.73	1.69	2.52	0.87	M8	M8	3.75

Serrated fixed jaw-standard duty



(For use on B & BE series)



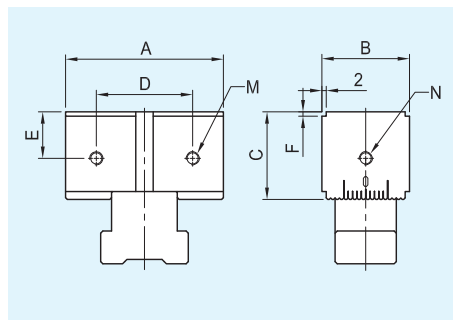
BG03

TYPE	A"	B"	C"	D"	E"	M	N	lb
SVF-BG03-50	1.97	1.18	0.98	1.18	0.49	M5	M6	0.88
SVF-BG03-72	2.83	1.57	1.57	1.73	0.85	M6	M6	2.43
SVF-BG03-100	3.94	1.73	1.69	2.52	0.87	M8	M8	3.75

Step fixed jaw-standard duty



(For use on B & BE series)

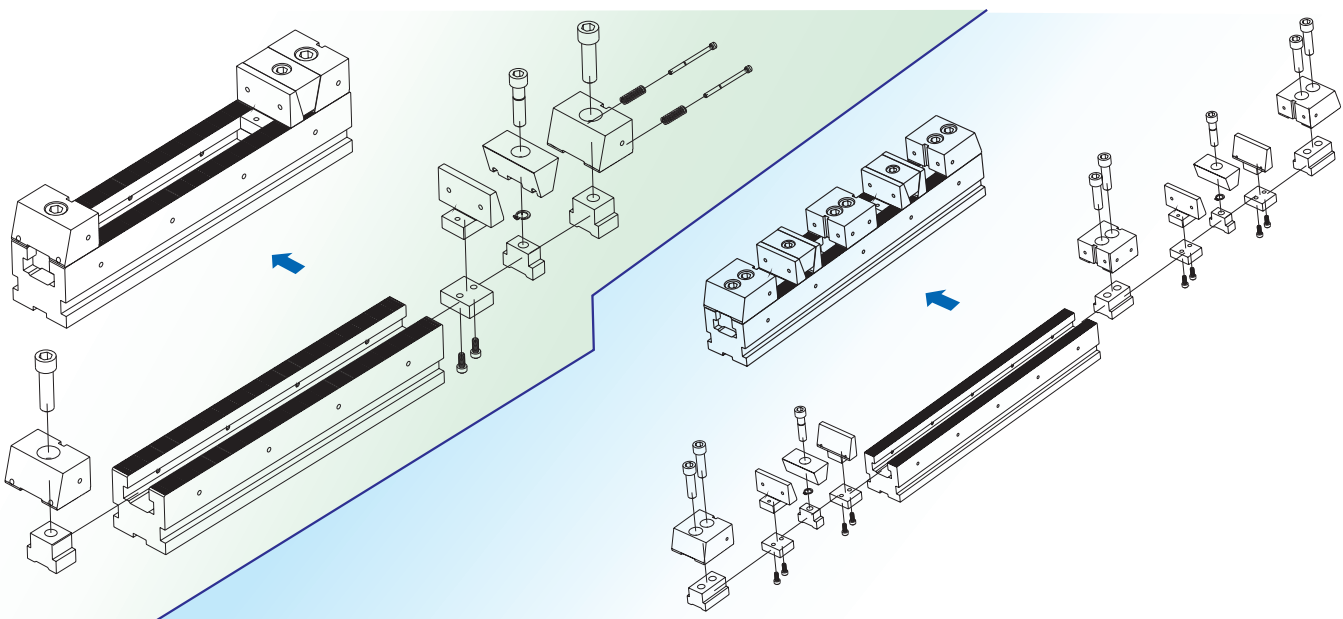


BS03

TYPE	A"	B"	C"	D"	E"	F	M	N	lb
SVF-BS03-502	1.97	1.18	0.98	1.18	0.49	2/5	M5	M6	0.88
SVF-BS03-505									
SVF-BS03-722	2.83	1.57	1.57	1.73	0.85	2/5	M6	M6	2.43
SVF-BS03-725									
SVF-BS03-1002	3.94	1.73	1.69	2.52	0.87	2/5	M8	M8	3.75
SVF-BS03-1005									

SVF-A Assembled

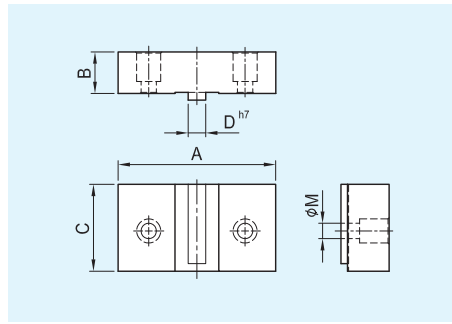
SVF-B Assembled SVF-BE



SVF

Optional accessory parts

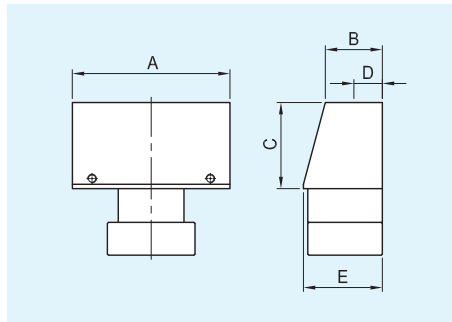
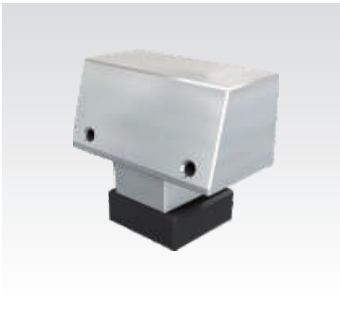
Fixed soft jaw



S01

TYPE	A"	B"	C"	D	M	lb
SVF-S01-50	1.97	0.67	0.98	5	6	0.44
SVF-S01-50W	3.15	1.06				0.88
SVF-S01-72	2.83	0.75	1.57	8	7	0.88
SVF-S01-72W	4.53	1.18				2.43
SVF-S01-100	3.94	0.98	1.69	10	9	1.98
SVF-S01-100W	5.91	1.38				3.90

Moveable soft jaw

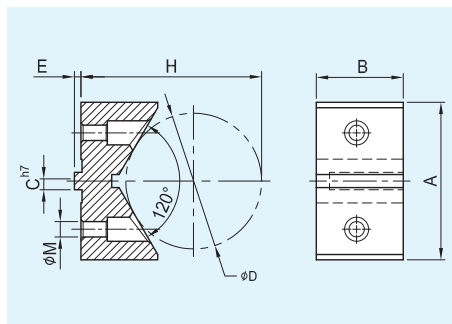
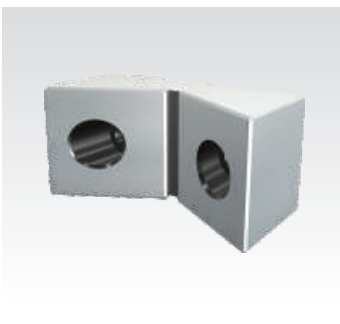


S02

TYPE	A"	B"	C"	D	F	lb
SVF-S02-50	1.97	0.83	0.96	13	1.06	0.66
SVF-S02-50W	3.15	1.34			1.61	1.54
SVF-S02-72	2.83	1.02	1.56	19	1.42	2.21
SVF-S02-72W	4.53	1.57			1.97	4.19
SVF-S02-100	3.94	1.38	1.67	25	1.81	4.41
SVF-S02-100W	5.91	1.97			2.40	7.06

D is the maximum dimension to be re-machined to accommodate the clamping requirement.

Hardened V jaw

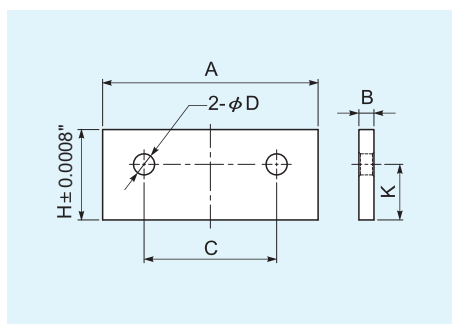


S03

TYPE	A"	B"	C"	D
SVF-S03-50	1.97	0.98	5	1.65
SVF-S03-72	2.83	1.57	8	2.44
SVF-S03-100	3.94	1.69	10	2.44

TYPE	E	H"	M	CLAMP" (MAX)	lb
SVF-S03-50	2	2.16	6	φ 2.76	0.44
SVF-S03-72	3	3.25	7	φ 4.33	1.32
SVF-S03-100	4	3.55	9	φ 6.30	2.65

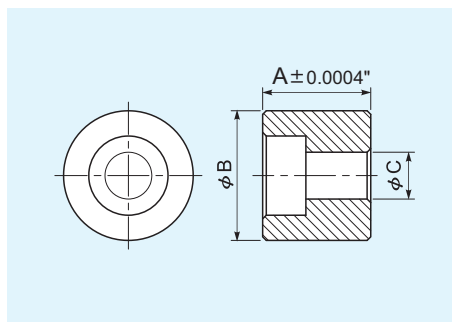
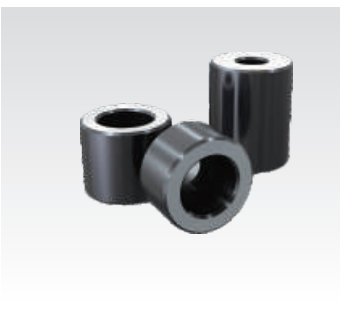
Parallel



S04

TYPE	A"	B"	C"	D	H"	K"	lb
SVF-S04-50-17	1.95	0.197	1.18	6	0.669	0.48	0.1
SVF-S04-50-20		0.197			0.787		0.1
SVF-S04-50-22		0.118			0.866		0.1
SVF-S04-72-25	2.81	0.197	1.73	7	0.984	0.72	0.2
SVF-S04-72-30		0.197			1.181		0.2
SVF-S04-72-35		0.197			1.378		0.2
SVF-S04-72-37	3.92	0.118	2.52	9	1.457	0.83	0.3
SVF-S04-100-29		0.315			1.142		0.4
SVF-S04-100-33		0.315			1.299		0.5
SVF-S04-100-38	3.92	0.315	2.52	9	1.496	0.83	0.5
SVF-S04-100-40		0.197			1.575		0.2

Spacer - work piece stop plate



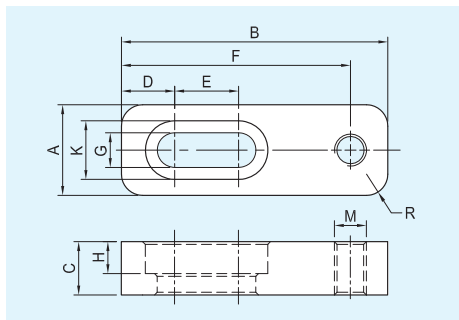
S05

TYPE	A"	B"	C"	lb
SVF-S05-10	0.394	0.709	0.256	0.1
SVF-S05-15	0.591			0.1
SVF-S05-23	0.906	0.984	0.354	0.1
SVF-S05-100-15	0.591			0.1
SVF-S05-100-20	0.787			0.1
SVF-S05-100-25	0.984			0.1

SVF

Optional accessory parts

work piece stop plate

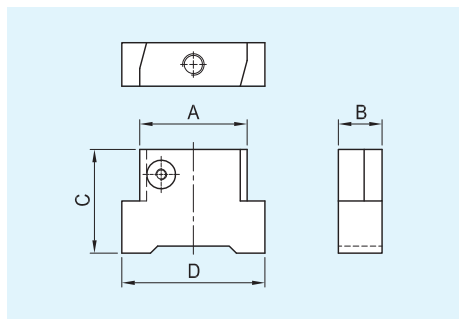


S06

TYPE	A"	B"	C"	D"	E"
SVF-S06-50	0.669	1.772	0.394	0.394	0.472
SVF-S06-72	0.669	1.969	0.394	0.394	0.472
SVF-S06-100	0.984	2.165	0.591	0.453	0.630

TYPE	F"	G	H	K"	M	R	lb
SVF-S06-50	1.496	6.5	6.0	0.433	M6	4	0.1
SVF-S06-72	1.693	6.5	6.0	0.433	M6	4	0.1
SVF-S06-100	1.772	9.0	8.5	0.551	M8	5	0.3

Spring loaded T nut

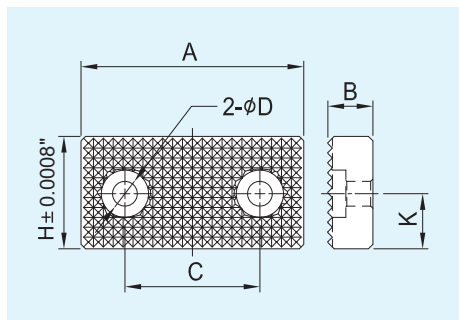
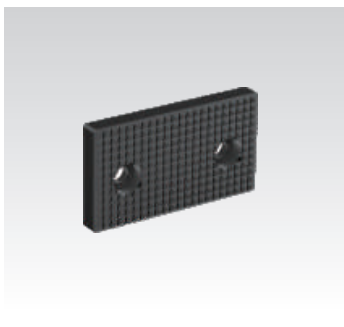


S07

TYPE	A"	B"	C"	D"	lb
SVF-S07-50	0.75	0.40	0.75	0.98	0.1
SVF-S07-72	1.18	0.48	1.14	1.57	0.1
SVF-S07-100	1.77	0.55	1.14	2.20	0.1

(Keep jaws from dropping when vise is in vertical plane)

SERRATED JAW

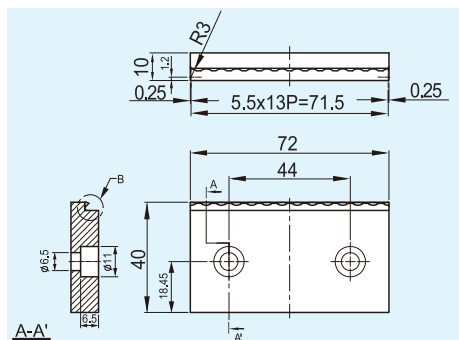


S08

TYPE	A"	B"	C"	D"	H"
SVF-S08-50	1.95	0.39	1.18	0.22	0.984
SVF-S08-72	2.81	0.39	1.73	0.26	1.575
SVF-S08-100	3.90	0.39	2.52	0.35	1.693

TYPE	K"	lb
SVF-S08-50	0.482	0.17
SVF-S08-72	0.726	0.39
SVF-S08-100	0.827	0.58

SERRATED STEP JAW



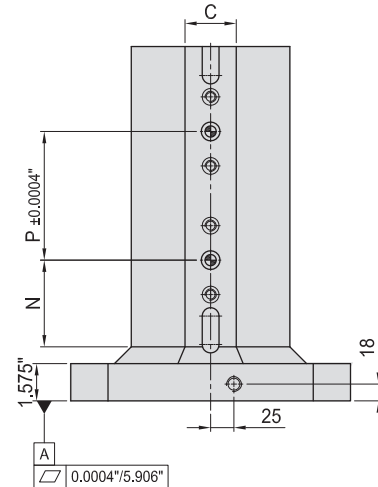
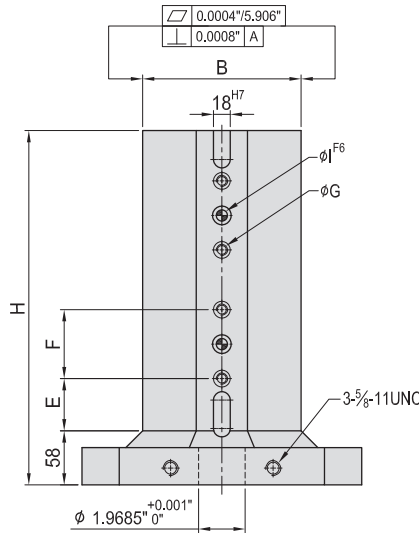
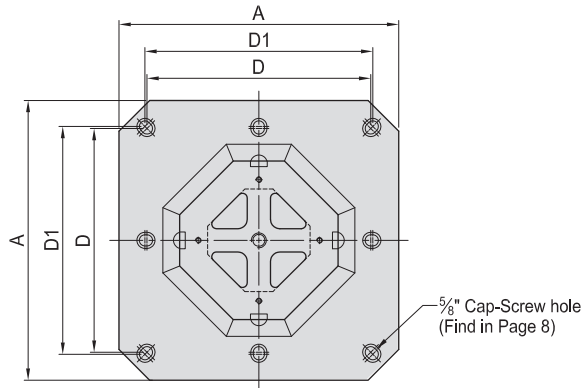
S09

TYPE	A"	B"	C"	D"	H"
SVF-S09-50	1.97	0.39	1.18	0.22	0.984
SVF-S09-72	2.83	0.39	1.73	0.26	1.575
SVF-S09-100	3.94	0.39	2.52	0.35	1.693

TYPE	K"	lb
SVF-S09-50	0.726	0.22
SVF-S09-72	0.726	0.44
SVF-S08-100	0.827	0.66

SVF-CB

M/C Octagonal cube

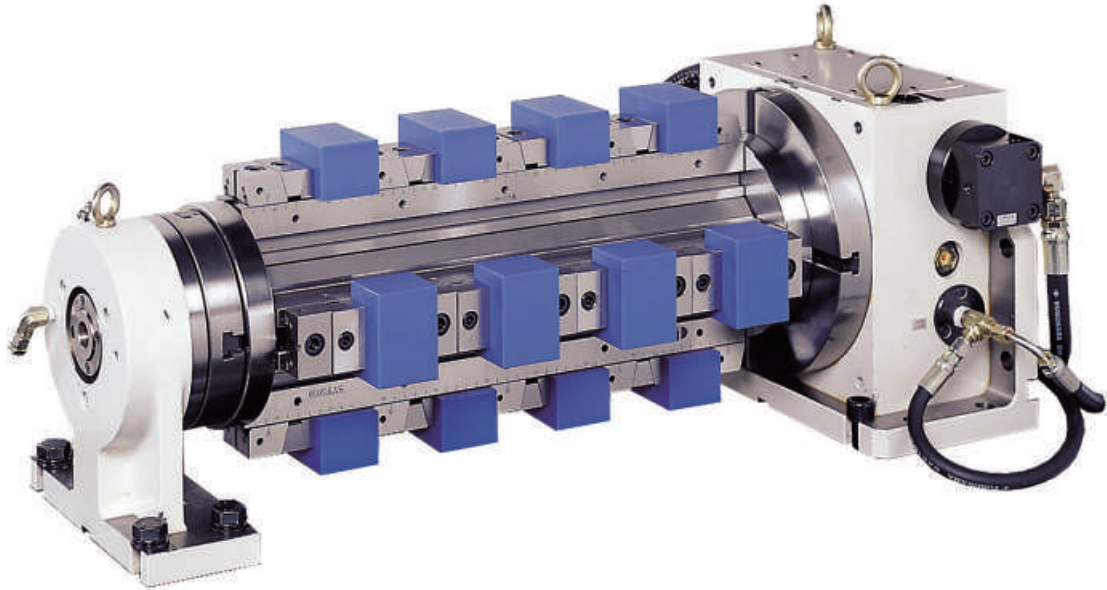


PLEASE NOTE THESE NUMBERS ARE ROUNDED. THIS CHART IS FOR REFERENCE ONLY.
PLEASE CONSULT CAD MODELS FOR EXACT DIMENSIONS AT WWW.TOMBSTONECITY.COM

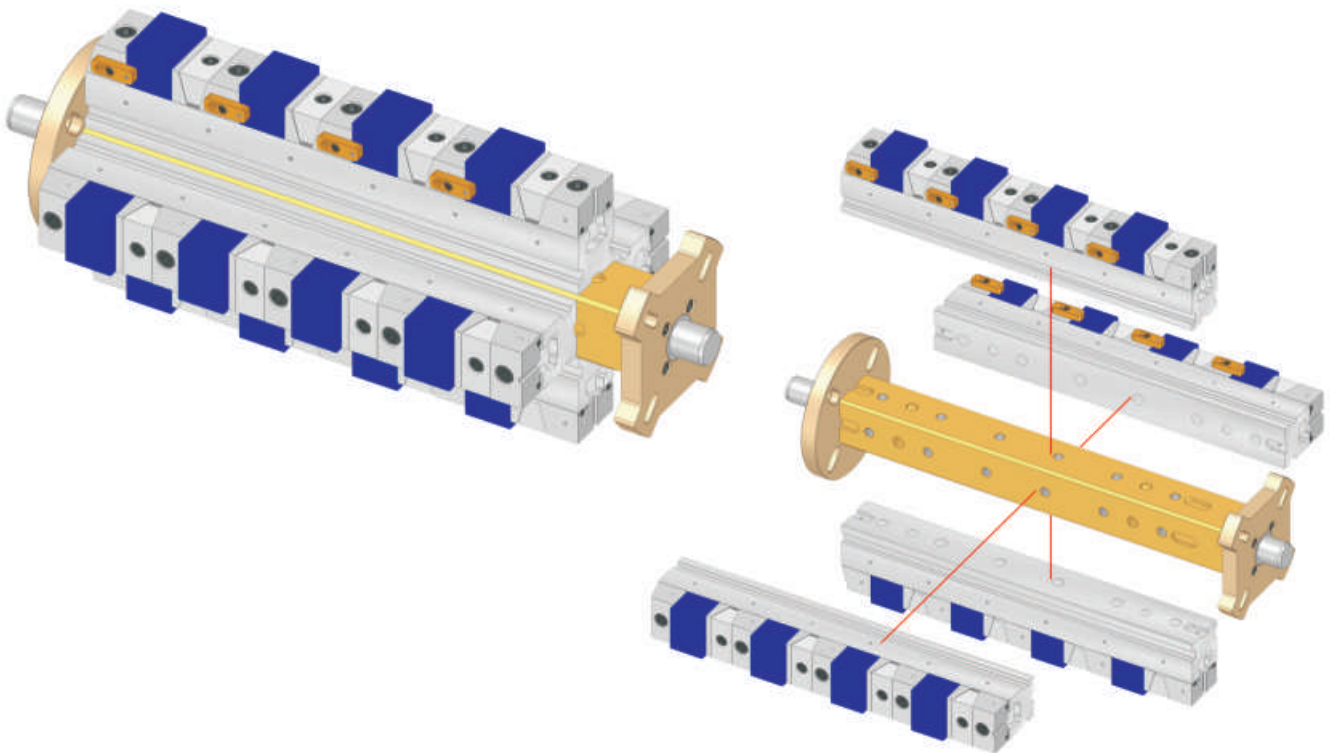
MODEL NO.	A"	B"	C"	D	D1"	E"	F"	G"	H"	I"	N"	P"	Mounting holes	lb
10-SVF-5030-300CB8-100	11.81	6.69	2.17	200		1.98	4	1/2-13UNC	14.17	1/2	3.98	4	4	123
10-SVF-5030-320CB8-100	12.60													130
10-SVF-5040-300CB8-100	11.81	6.69	2.17	200		1.95	4	1/2-13UNC	18.11	1/2	3.98	8	4	143
10-SVF-5040-320CB8-100	12.60													152
10-SVF-5050-400CB8-100	15.75	7.87	2.17	320	11.81	1.92	4	1/2-13UNC	22.05	1/2	3.92	12	4	253
10-SVF-5050-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-5060-400CB8-100	15.75	7.87	2.17	320	11.81	1.89	4	1/2-13UNC	25.98	1/2	3.89	16	4	283
10-SVF-5060-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-5070-400CB8-100	15.75	7.87	2.17	320	11.81	1.86	4	1/2-13UNC	29.92	1/2	3.86	20	4	313
10-SVF-5070-500CB8-100	19.69	9.84		400	16.00				8					432
10-SVF-7240-300CB8-100	11.81	6.69	2.95	200		1.95	4	5/8-11UNC	18.11	5/8	3.95	8	4	161
10-SVF-7240-320CB8-100	12.60													170
10-SVF-7250-400CB8-100	15.75	7.87	2.95	320	11.81	1.92	4	5/8-11UNC	22.05	5/8	3.92	12	4	259
10-SVF-7250-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-7260-400CB8-100	15.75	7.87	2.95	320	11.81	1.89	4	5/8-11UNC	25.98	5/8	3.89	16	4	289
10-SVF-7260-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-7270-400CB8-100	15.75	7.87	2.95	320	11.81	1.86	4	5/8-11UNC	29.92	5/8	3.86	20	4	320
10-SVF-7270-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-7270-630CB8-100	24.80	11.81	2.95	400	11.81	1.86	4	5/8-11UNC	29.92	5/8	3.86	20	8	635
10-SVF-10050-400CB8-100	15.75	7.87	4.13	320	11.81	1.92	4	5/8-11UNC	22.05	5/8	3.92	12	4	286
10-SVF-10050-500CB8-100	19.69	9.84		400	16.00									8
10-SVF-10060-500CB8-100	19.69	9.84	4.13	400	16.00	1.89	4	5/8-11UNC	25.98	5/8	3.89	16	8	441
10-SVF-10060-630CB8-100	24.80	11.81		500	20.00									8
10-SVF-10070-500CB8-100	19.69	9.84	4.13	400	16.00	1.86	4	5/8-11UNC	29.92	5/8	3.89	20	8	485
10-SVF-10070-630CB8-100	24.80	11.81		500	20.00									8

(Order optional mounting cube as a separate item)

SVFX INDEXING TABLE



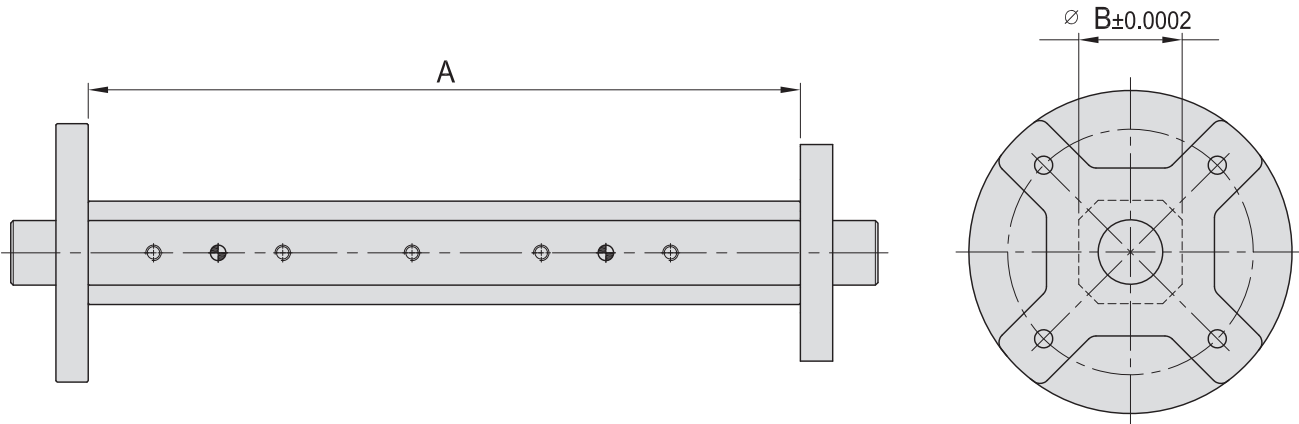
ASSEMBLED



SVFX

AXLE

• Material: S45C

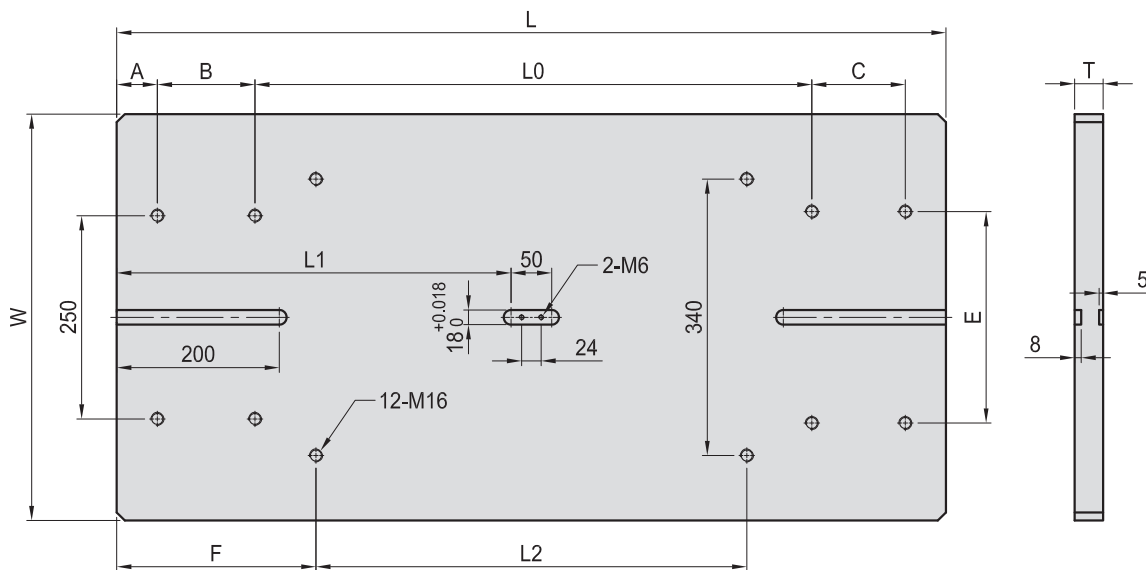


Model	A"	B"	lb	Model	A"	B"	lb
SVFX-5030-100	13.78	3.15	35.3	SVFX-7250-100	21.65	3.15	57.3
SVFX-5040-100	17.72		44.1	SVFX-7260-100	25.59		68.4
SVFX-5050-100	21.65	3.15	52.9	SVFX-7270-100	29.53	3.15	77.2
SVFX-5060-100	25.59		63.9	SVFX-10040-100	17.72		4.02
SVFX-5070-100	29.53	3.15	72.8	SVFX-10050-100	21.65	4.02	
SVFX-7240-100	17.72		46.3	SVFX-10060-100	25.59		110.3
				SVFX-10070-100	29.53		125.7

*Net weight of Axel only-does not include vices

BASE PLATE

• Material: S45C



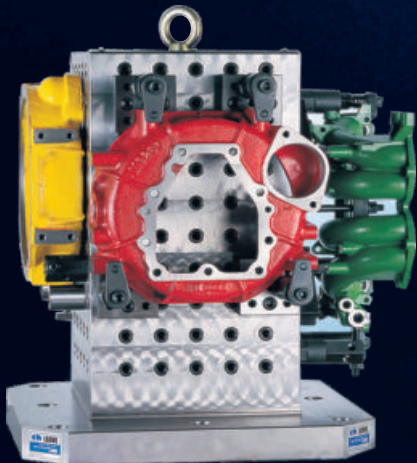
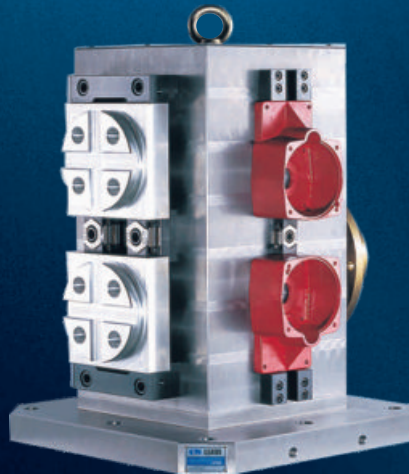
Model	L"	L0"	L1"	L2"	W"	T	A	B	C	E"	F
SVFX-5030BP	27.56	16.73	12.80	260	15.75	30	80	80	72	7.87	220
SVFX-5040BP	31.50	20.67	14.76	360							
SVFX-5050BP	35.43	24.61	16.73	460							
SVFX-5060BP	39.37	28.54	18.70	560							
SVFX-5070BP	43.30	32.48	20.67	660							
SVFX-7240BP	36.22	20.47	17.13	430	19.69	35	45	185	135	11.81	280
SVFX-7250BP	40.16	24.41	19.09	530							
SVFX-7260BP	44.09	28.35	21.06	630							
SVFX-7270BP	48.03	32.28	23.03	730							

*Special design welcome!

(Optional accessory available for being ordered separately)

Standard parts included with SVF-A & SVF-B SVF-BE SVF-BE vises

For	T-slot nut		Clamp		Screw		Threaded dowel pin		Locating key		Hexagonal driver	
	MODEL NO.	QTY	MODEL NO.	QTY	MODEL NO.	QTY	MODEL NO.	QTY	MODEL NO.	QTY	MODEL NO.	QTY
50	10-PT06-1404	4 pcs	SVF-P01-50	4 pcs	CAP-1/2"-13UNC	Same as hole	10-PT11-0434	2 pcs	PT27-1810 CAP-M6-10L	2 pcs	SPN-M6HEX	1 pc
72	10-PT06-1805		SVF-P01-72		CAP-5/8"-11UNC		10-PT11-0542				SPN-M10HEX	1 pc
100	10-PT06-1805		SVF-P01-72		CAP-5/8"-11UNC		10-PT11-0542				SPN-M12HEX	1 pc
											SPN-M14HEX	1 pc



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