

# BREADBOARD COMPONENTS

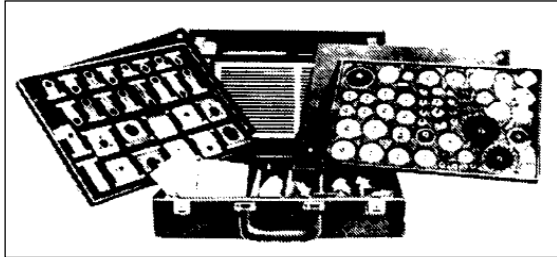
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# PRECISION BREADBOARD KITS

## Research and Prototype Development Kits

Designed by practical engineers for use in all mechanical and electro-mechanical breadboard prototype work, test fixture and servo control system applications...



- All Kits may be enlarged at a later date by the addition of parts from this catalog (see Parts List).
- Kits are supplied with an attractive carrying case, felt lined to protect the high quality precision gears and associated parts.
- The supplemental parts kit is a complete precision parts stock room that complements all of the master parts kits. It has a basic selection of the most commonly used parts.
- Replacement parts are always available from stock.

### Ideal For Use In:

- Military Applications
- Industrial Operations
- Test Evaluation
- University Research

Send For Lists of Materials

### 48 Pitch Spur Gear Kits 1/4" Shaft Size

STOCK NO.	NUMBER OF COMPONENTS	KIT TYPE
KIT-4L KIT-4M KIT-4S	OVER 660 PARTS OVER 520 PARTS OVER 420 PARTS	MASTER PARTS KIT
KIT-4G	OVER 900 PARTS	SUPPLEMENTAL PARTS KIT

### 64 Pitch Spur Gear Kits 3/16" Shaft Size

STOCK NO.	NUMBER OF COMPONENTS	KIT TYPE
KIT-3L KIT-3M KIT-3S	OVER 660 PARTS OVER 520 PARTS OVER 420 PARTS	MASTER PARTS KIT
KIT-3G	OVER 900 PARTS	SUPPLEMENTAL PARTS KIT

### 96 Pitch Spur Gear Kits 1/8" Shaft Size

STOCK NO.	NUMBER OF COMPONENTS	KIT TYPE
KIT-2L KIT-2M KIT-2S	OVER 660 PARTS OVER 520 PARTS OVER 420 PARTS	MASTER PARTS KIT
KIT-2G	OVER 900 PARTS	SUPPLEMENTAL PARTS KIT

Select high quality Berg parts for your designs. W. M. Berg's Precision Mechanical Components are well stocked assuring fast delivery.

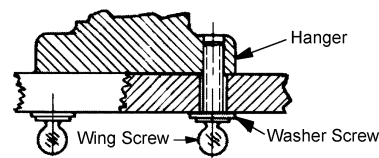
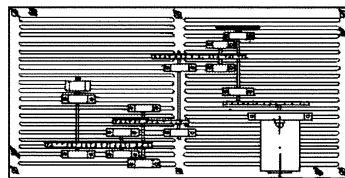
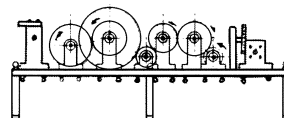
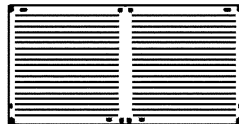
Solves many design problems quickly in a hands-on environment.

- Cuts Development Cost
- Engineers
- Reduces Expensive Delays
- Designers
- Simplifies Preliminary Test Phase
- Educational and Research Facilities

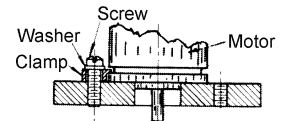
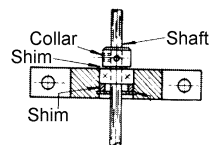
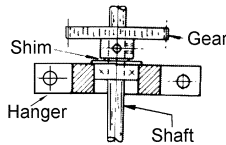
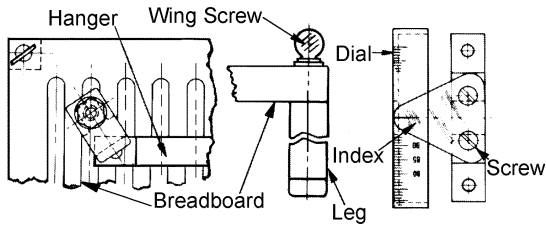
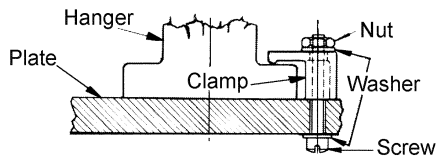
After the final sketches have been worked out the designer can duplicate the mechanism with actual working kit parts.

Always design the gear layout so that the assembly gear and shafts are at right angles to the slots in the breadboard plate. This will permit perfect adjustment of the gear centers, etc.

Where this is not practical, parallel positioning is permissible. Step shaft hangers are supplied to permit compact over-hanging of gear meshes when assembling hangers do not align over slots, we have provided for a special hanger clamp BC13-2. Shaft hangers are adjusted in the slotted plate by hand tightening wing screws. Breadboard plates are supported by a series of legs supplied with rubber bumpers to eliminate scratching of table surface while working on the assembly critical parts.



# PRECISION BREADBOARD KITS (continued)



Each kit has a wide variety of shaft lengths, bearings, spur gears, precision engraved disc and drum dials, and a broad selection of couplings to make most rotating component and drive shaft connections.

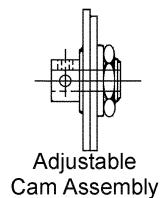
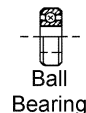
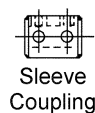
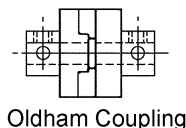
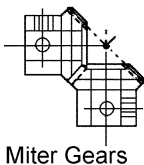
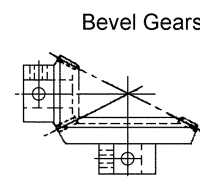
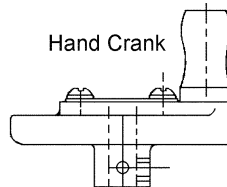
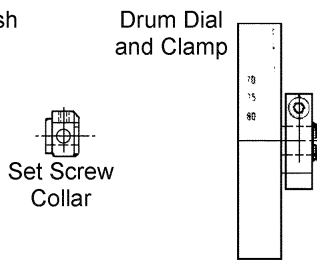
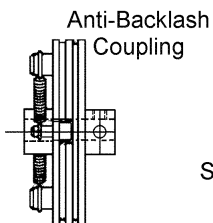
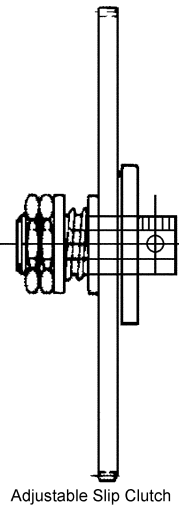
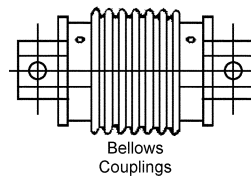
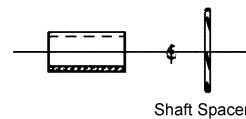
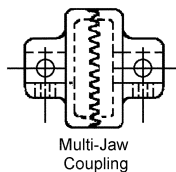
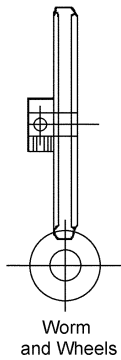
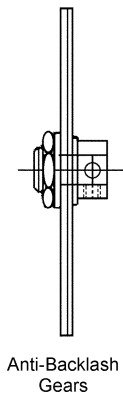
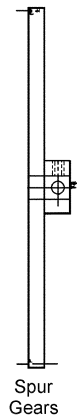
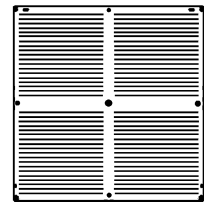
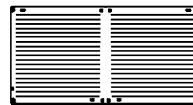
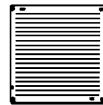
All parts are designed for simple assembly and dis-assembly for reuse at another time. Thousands of additional parts are available from stock. Special components can be manufactured to meet your specifications.

**Caution should be taken** -- handle all parts with care. Do not permit parts to bang or drop to avoid damage to critical parts

Kits are supplied in 3 gear pitch selections, 48, 64 and 96 each in 3 basic kit sizes; small medium and large. Small and medium kits can be built up as time and usage require.

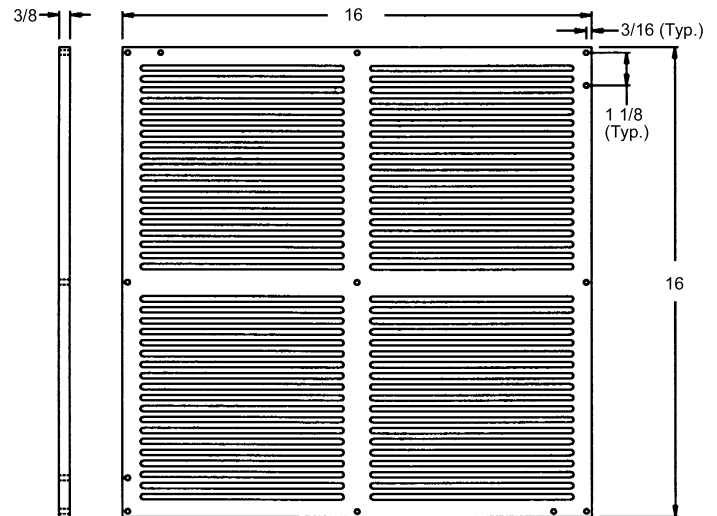
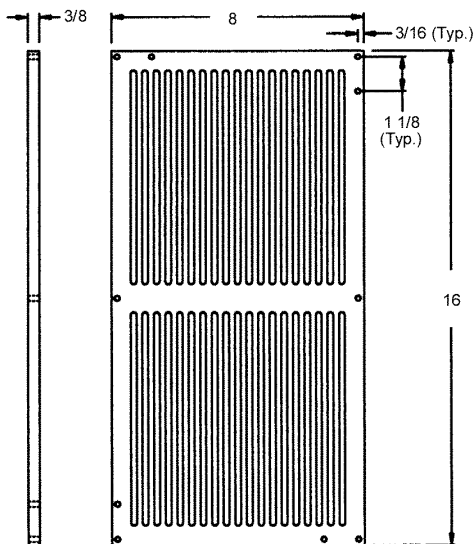
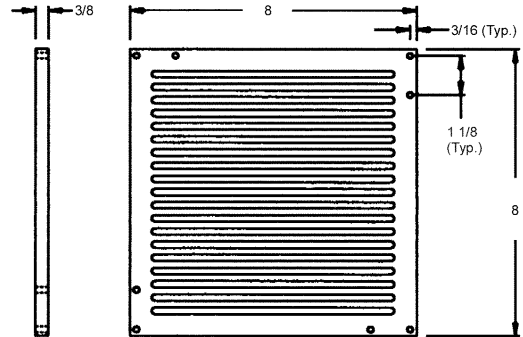
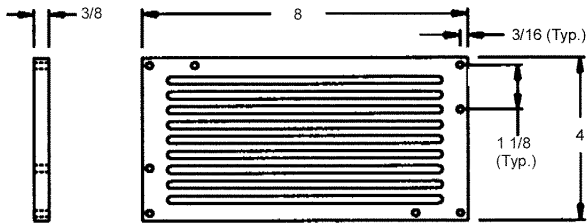
Over 65,000 items are available from Berg stock. For all practical purposes, this makes any configuration or application possible. We also have other size breadboard plates available for that extra large or small unit application.

**Typical Kit Parts** Below are a few of the Typical Breadboard Kit Parts



# BREADBOARD PLATES

SIZES	MATERIAL
4" X 8" TO 16" X 16"	ALUMINUM ANODIZED



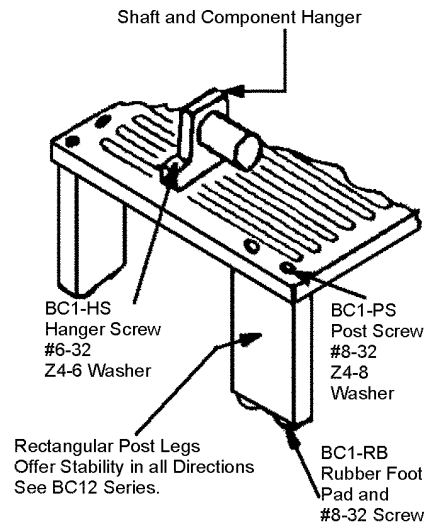
**Notes:**

All Dimensions Typical  
 Slot Pitch = 3/8  
 Slot Width = 3/16  
 Clearance Slots For #6 Screws  
 Double Disc Ground and  
 Machine Finished All Six Sides.

**Also listed:**

Hanger Screws, Post Screws, Washers and Rubber Foot Pads

STOCK NO.	DESCRIPTION
BC1-1	4X8 BREADBOARD
BC1-2	8X8 BREADBOARD
BC1-3	8X16 BREADBOARD
BC1-4	16X16 BREADBOARD
BC1-RB	RUBBER FOOT PAD AND SCREW
BC1-HS	HANGER SCREW
BC1-PS	POST SCREW
Z4-6	HANGER SCREW WASHER
Z4-8	POST SCREW WASHER



# SHAFT HANGERS

SHAFT SIZE	MATERIAL
<b>1/8"</b>	<b>ALUMINUM ANODIZED</b>

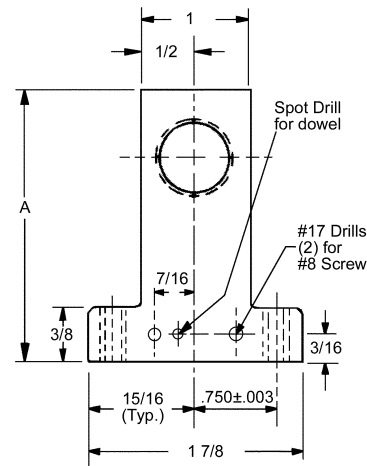
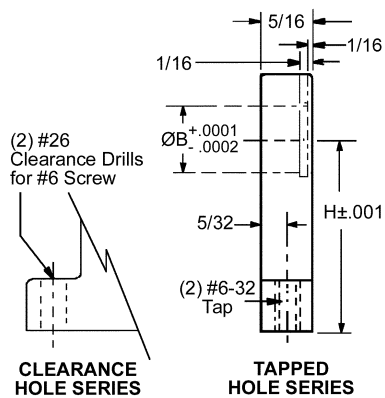
TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC2-1T	BC2-1C	.3750	1 1/2	1.000	1/8 (.1247)	FLANGED B2-5-S	FLANGED B4-13	-
BC2-2T	BC2-2C		2	1.500				
BC2-3T	BC2-3C		2 1/2	2.000				
BC2-4T	BC2-4C		2 3/4	2.250				
BC2-5T	BC2-5C		3	2.500				
					FLANGELESS B1-5	FLANGELESS B3-13	Q4-37	

SHAFT SIZE	MATERIAL
<b>3/16"</b>	<b>ALUMINUM ANODIZED</b>

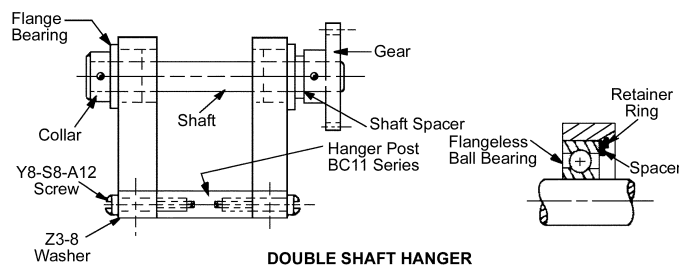
TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC3-1T	BC3-1C	.5000	1 1/2	1.000	3/16 (.1872)	FLANGED B2-6-S	FLANGED B4-14	-
BC3-2T	BC3-2C		2	1.500				
BC3-3T	BC3-3C		2 1/2	2.000				
BC3-4T	BC3-4C		2 3/4	2.250				
BC3-5T	BC3-5C		3	2.500				
					FLANGELESS B1-7	FLANGELESS B3-15	Q4-50	

SHAFT SIZE	MATERIAL
<b>1/4"</b>	<b>ALUMINUM ANODIZED</b>

TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC4-1T	BC4-1C	.6250	1 1/2	1.000	1/4 (.2497)	FLANGED B2-7-S	FLANGED B4-15	-
BC4-2T	BC4-2C		2	1.500				
BC4-3T	BC4-3C		2 1/2	2.000				
BC4-4T	BC4-4C		2 3/4	2.250				
BC4-5T	BC4-5C		3	2.500				
					FLANGELESS B1-9	FLANGELESS B3-16	Q4-62	



SAMPLE APPLICATION





# SHAFT HANGERS

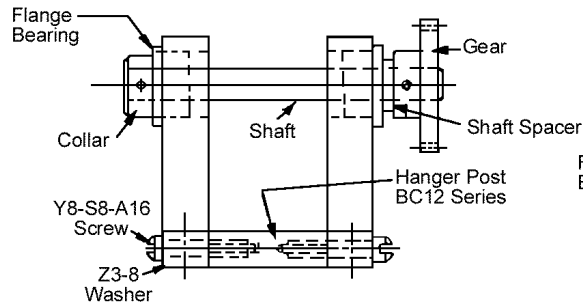
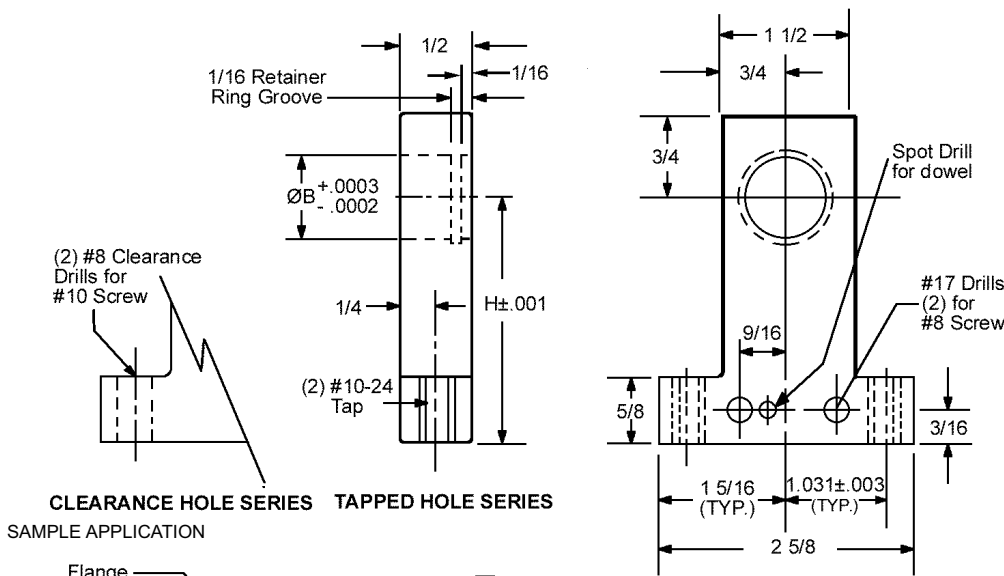
SHAFT SIZE	MATERIAL
<b>3/8"</b>	<b>ALUMINUM ANODIZED</b>

TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	H	RECOMMENDED			
				SHAFT	BALL BEARINGS	BRONZE BEARINGS	OIL-LESS RETAINER RING
BC24-1T	BC24-1C	.8750	2.000	3/8 (.3750)	FLANGED B2-8-S	FLANGED B4-11	-
BC24-2T	BC24-2C		2.500				
BC24-3T	BC24-3C		3.000				
BC24-4T	BC24-4C		3.500				
BC24-5T	BC24-5C		4.000				
					FLANGELESS B1-13	FLANGELESS B3-11	Q4-87

SHAFT SIZE	MATERIAL
<b>1/2"</b>	<b>ALUMINUM ANODIZED</b>

TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	H	RECOMMENDED			
				SHAFT	BALL BEARINGS	BRONZE BEARINGS	OIL-LESS RETAINER RING
BC25-1T	BC25-1C	1.1250	2.000	1/2 (.5000)	FLANGED B2-22-S	FLANGED B4-12	-
BC25-2T	BC25-2C		2.500				
BC25-3T	BC25-3C		3.000				
BC25-4T	BC25-4C		3.500				
BC25-5T	BC25-5C		4.000				
					FLANGELESS B1-15	FLANGELESS B3-12	Q4-112

**D**



# DOUBLE SHAFT HANGERS

SHAFT SIZE	MATERIAL
<b>1/8"</b>	<b>ALUMINUM ANODIZED</b>

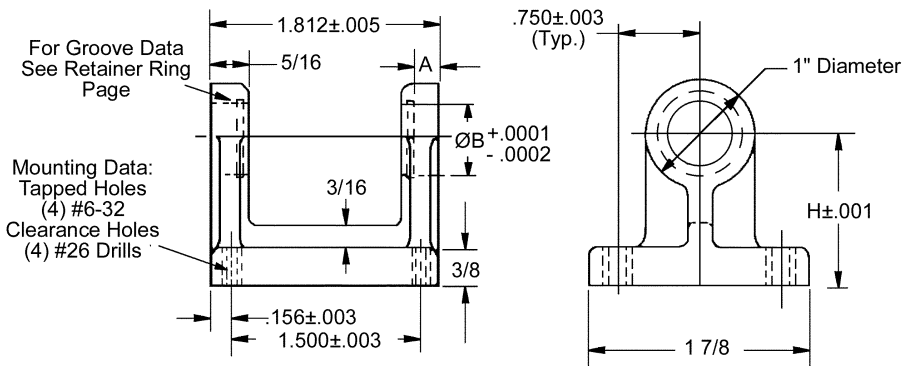
TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC17-1T	BC17-1C	.3750	.187	1.000	1/8 (.1247)	FLANGED B2-5-S FLANGELESS B1-5	FLANGED B4-13 FLANGELESS B3-13	FOR FLANGELESS BEARINGS Q4-37
BC17-2T	BC17-2C			1.500				
BC17-3T	BC17-3C			2.000				
BC17-4T	BC17-4C			2.250				
BC17-5T	BC17-5C			2.500				

SHAFT SIZE	MATERIAL
<b>3/16"</b>	<b>ALUMINUM ANODIZED</b>

TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC17-6T	BC17-6C	.5000	.218	1.000	3/16 (.1872)	FLANGED B2-6-S FLANGELESS B1-7	FLANGED B4-14 FLANGELESS B3-15	FOR FLANGELESS BEARINGS Q4-50
BC17-7T	BC17-7C			1.500				
BC17-8T	BC17-8C			2.000				
BC17-9T	BC17-9C			2.250				
BC17-10T	BC17-10C			2.500				

SHAFT SIZE	MATERIAL
<b>1/4"</b>	<b>ALUMINUM ANODIZED</b>

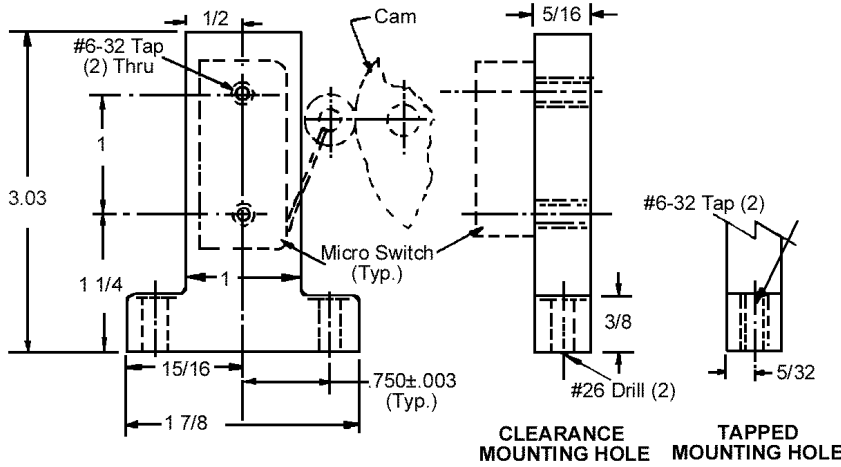
TAPPED HOLES STOCK NO.	CLEAR HOLES STOCK NO.	ØB	A	H	RECOMMENDED			
					SHAFT	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RING
BC17-11T	BC17-11C	.6250	.218	1.000	1/4 (.2497)	FLANGED B2-7-S FLANGELESS B1-9	FLANGED B4-15 FLANGELESS B3-16	FOR FLANGELESS BEARINGS Q4-62
BC17-12T	BC17-12C			1.500				
BC17-13T	BC17-13C			2.000				
BC17-14T	BC17-14C			2.250				
BC17-15T	BC17-15C			2.500				





# MICRO SWITCH HANGERS

TYPE	MATERIAL
<b>CLEARANCE MOUNT AND TAPPED MOUNT</b>	<b>ALUMINUM ANODIZED</b>

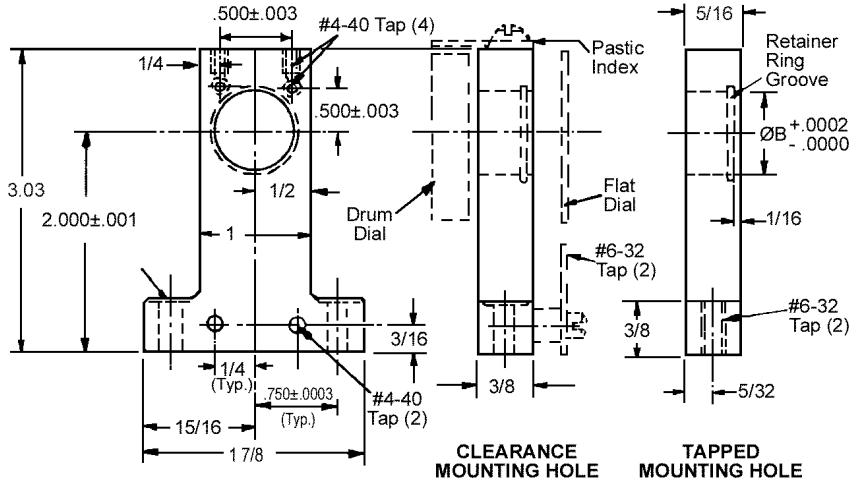


**D**

CLEARANCE MOUNTING HOLES	TAPPED MOUNTING HOLES
STOCK NO.	STOCK NO.
BC5-1C	BC5-1T

# DIAL INDEX HANGERS

TYPE	MATERIAL
CLEARANCE MOUNT AND TAPPED MOUNT	ALUMINUM ANODIZED

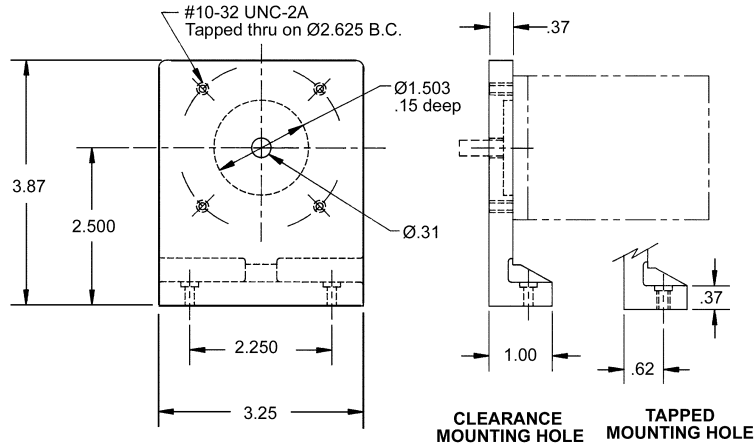


CLEARANCE MOUNTING HOLE STOCK NO.	TAP MOUNTING HOLES STOCK NO.	SHAFT SIZE	ØB BORE	RECOMMENDED RETAINER RINGS*
BC6-2C	BC6-2T	1/8	.3750	Q4-37
BC6-3C	BC6-3T	3/16	.5000	Q4-50
BC6-1C	BC6-1T	1/4	.6250	Q4-62

For components such as dials, indexes, screws and spacers, see index.  
\*Order separately.

# MOTOR MOUNTING BRACKETS

TYPE	MATERIAL
<b>CLEARANCE MOUNT AND TAPPED MOUNT</b>	<b>ALUMINUM ANODIZED</b>

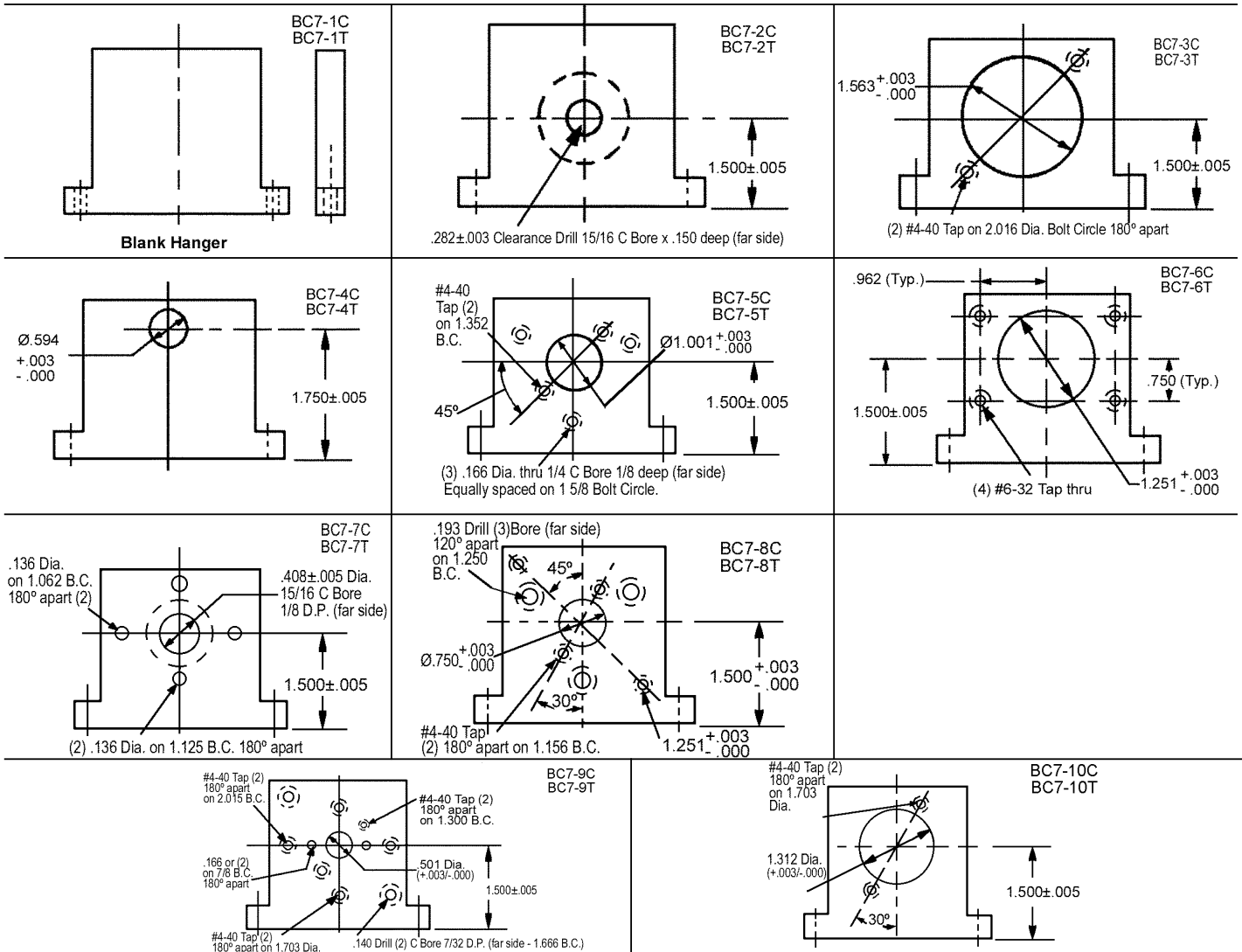
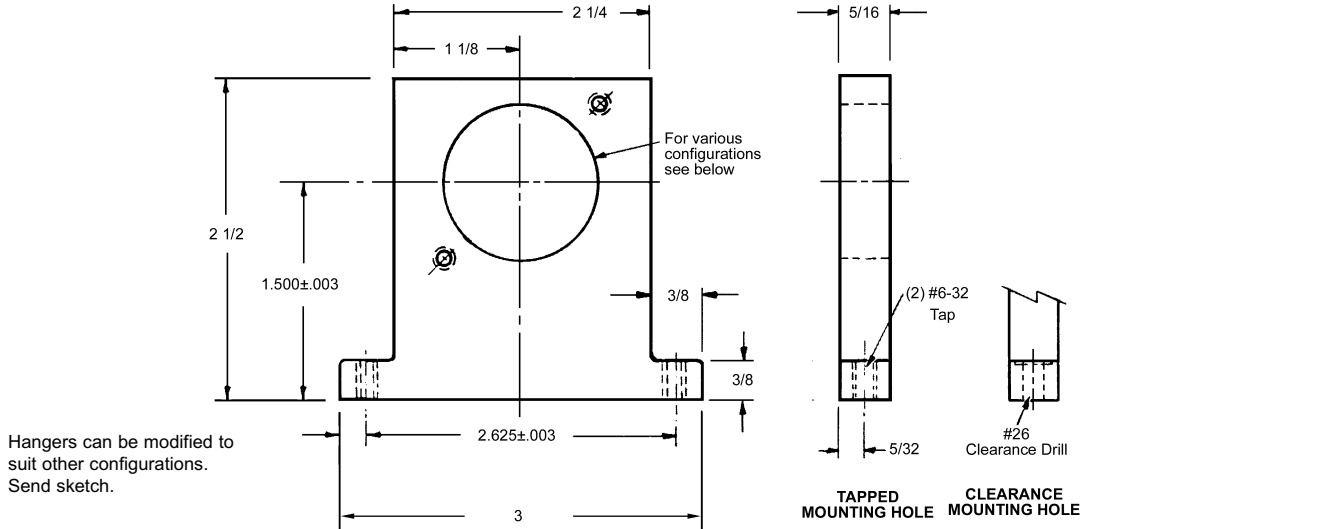


STOCK NO.	DESCRIPTION	HOLE DATA
BC8-3C	CLEARANCE MOUNTING HOLES	#26 DRILL (#6 SCR.)
BC8-3T	TAPPED MOUNTING HOLES	#6-32 TAP



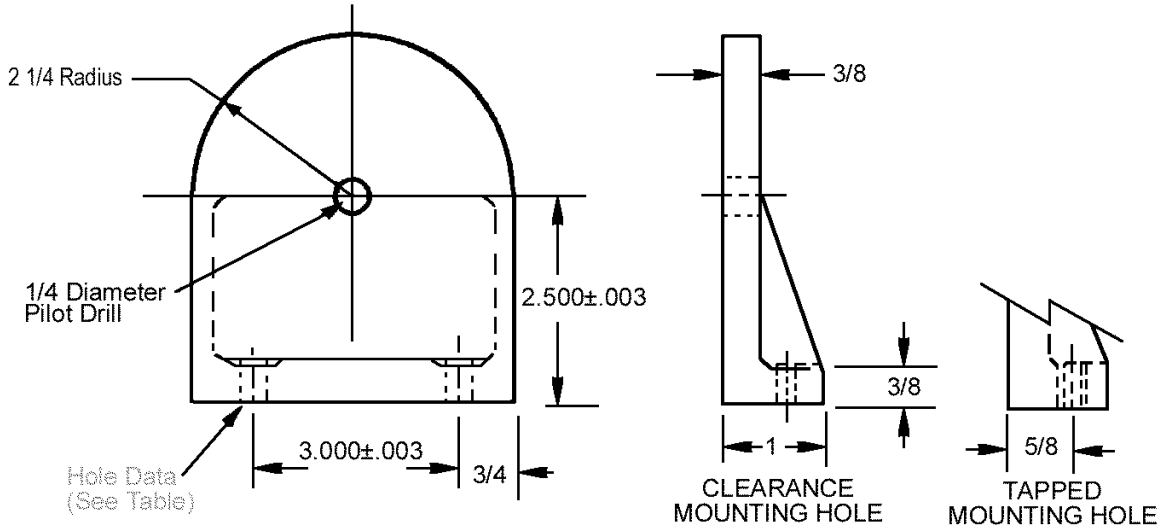
# COMPONENT HANGERS

TYPES	MATERIAL
<b>WIDE RANGE OF CONFIGURATIONS</b>	<b>ALUMINUM ANODIZED</b>



# COMPONENT HANGERS

TYPES	MATERIAL
CLEARANCE MOUNT AND TAPPED MOUNT	ALUMINUM ANODIZED



STOCK NO.	DESCRIPTION	HOLE DATA
BC8-1C	CLEARANCE MOUNTING HOLES	#26 DRILL (#6 SCR.) & SPOT FACE
BC8-1T	TAPPED MOUNTING HOLES	#6-32 TAP

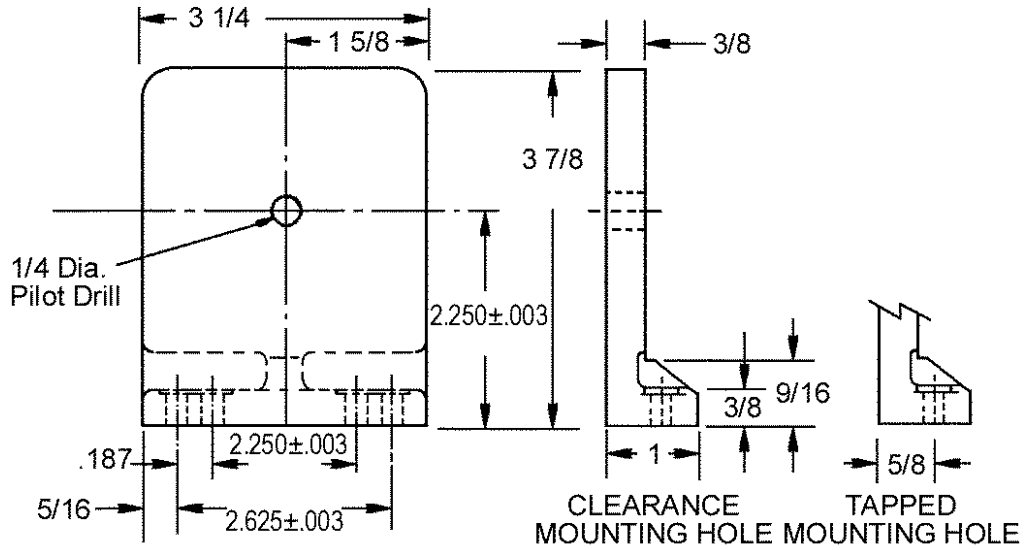
Hangers modified on request.



**D**

# COMPONENT HANGERS

TYPES	MATERIAL
CLEARANCE MOUNT AND TAPPED MOUNT	ALUMINUM ANODIZED



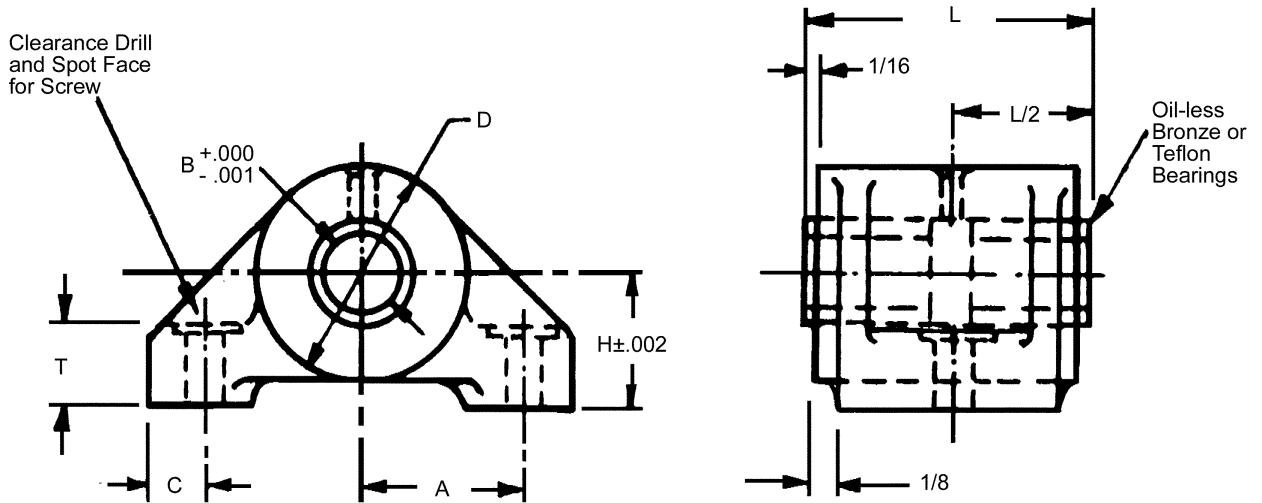
STOCK NO.	DESCRIPTION	HOLE DATA
BC8-2C	CLEARANCE MOUNTING HOLES	#26 DRILL (#6 SCR.) & SPOT FACE
BC8-2T	TAPPED MOUNTING HOLES	#6-32 TAP

Hangers modified on request.



# PILLOW BLOCKS

BORE	TYPES	MATERIAL
1/8" TO 1/2"	OIL-LESS BRONZE BEARINGS OR TEFLON BEARINGS	ALUMINUM ANODIZED



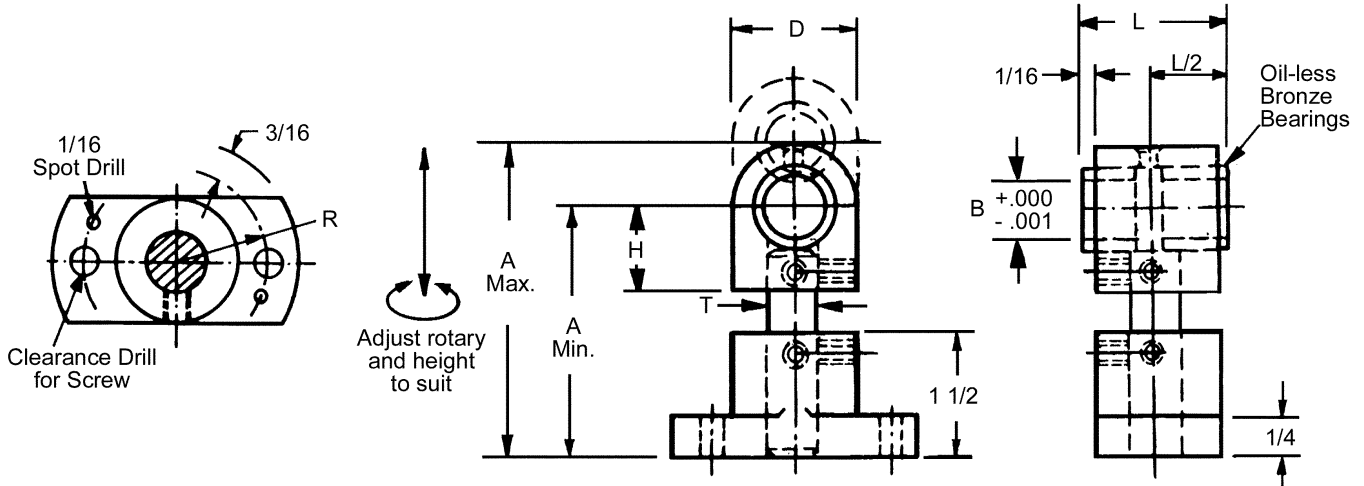
BRONZE BEARINGS STOCK NO.	TEFLON® BEARING STOCK NO.	B	D	H	T	A	C	L	SCREW
BC9-1	BC9-1T	.127							
BC9-2	BC9-2T	.189	3/4	.500	1/4	.625	1/4	7/8	#8
BC9-3	BC9-3T	.252							
BC9-4	BC9-4T	.314							
BC9-5	BC9-5T	.377	1 1/8	.750	3/8	.937	5/16	1 5/8	#10
BC9-6	BC9-6T	.502							



**D**

# ADJUSTABLE SHAFT HANGER

BORE	MATERIAL
1/8" TO 1/2"	ALUMINUM ANODIZED WITH STAINLESS STEEL SHAFT



STOCK NO	B	D	H	T	A (Max.)	A (Min.)	L	SCREW	R
BC10-1	.127								
BC10-2	.189	3/4	5/8	.375	3 1/8	2 1/8	7/8	#6	.562
BC10-3	.252								
BC10-4	.314								
BC10-5	.377	15/16	1	.625	3 1/2	2 1/2	1 1/16	#10	.687
BC10-6	.502								

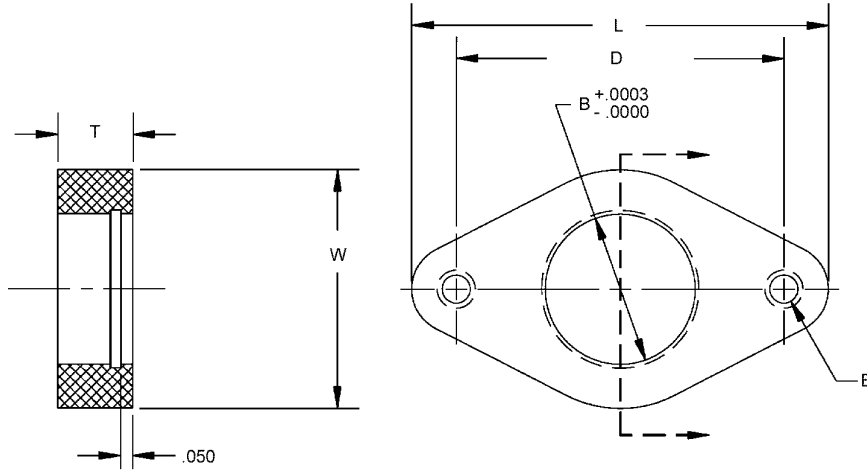
Special extension shafts available on request.





# BEARING MOUNTING PLATE

SHAFT	TYPES	MATERIAL
1/8" TO 1/4"	OIL-LESS BRONZE BEARINGS OR BALL BEARINGS	ALUMINUM ANODIZED



TAP HOLES STOCK NO.	CLEARANCE HOLES STOCK NO.	FOR SHAFT	B	L	W	T	D	S	
								TAP	CLEARANCE DRILL
BC22-1T	BC22-1C	1/8	.3748	1 3/16	3/4	.250	.875	#2-56	#41
BC22-2T	BC22-2C	3/16	.4998	1 5/8	7/8	.312	1.250	#4-40	#31
BC22-3T	BC22-3C	1/4	.6248	1 3/4	1	.312	1.375	#6-32	#26

## RECOMMENDED

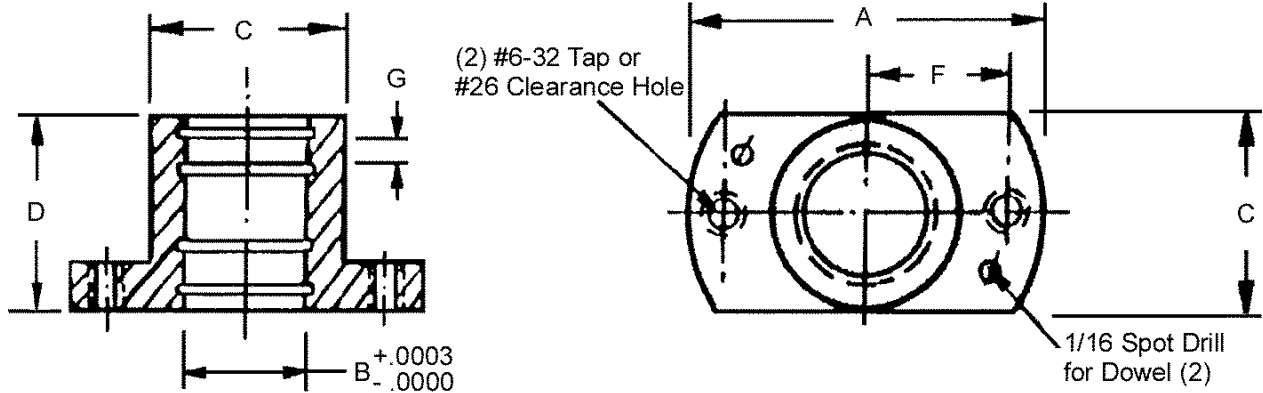
STOCK NUMBER	BALL BEARINGS	OIL-LESS BRONZE BEARINGS	RETAINER RINGS	SHAFTS
BC22-1T BC22-1C	FLANGED B2-5-S FLANGELESS B1-5	FLANGED B4-13 FLANGELESS B3-13	Q4-37	S2-SERIES OR .1247 DIAMETER S1-SERIES
BC22-2T BC22-2C	FLANGED B2-6-S FLANGELESS B1-7	FLANGED B4-14 FLANGELESS B3-15	Q4-50	S3-SERIES OR .1872 DIAMETER S1-SERIES
BC22-3T BC22-3C	FLANGED B2-7-S FLANGELESS B1-9	FLANGED B4-15 FLANGELESS B3-16	Q4-62	S4-SERIES OR .2497 DIAMETER S1-SERIES



For groove dimensions see index for rings.

# BEARING ADAPTERS

SHAFTS	STYLE	MATERIAL
1/8", 3/16" AND 1/4"	STYLE X	ALUMINUM ANODIZED

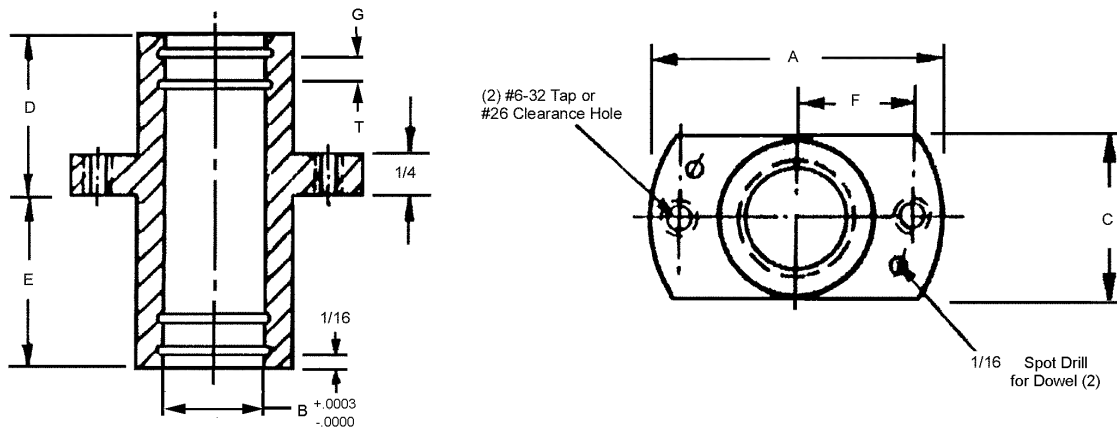


TAPPED HOLE STOCK NO.	CLEAR HOLE STOCK NO.	B	D	C	A	F	G	RECOMMENDED		
								BALL	OIL-LESS BRONZE	BEARINGS RETAINER RING
BC21-1T BC21-2T BC21-3T	BC21-1C BC21-2C BC21-3C	.3748 FOR 1/8 SHAFT	3/4* 1 1 1/2	3/4	1 1/2	9/16	3/16	B1-5	B3-13	Q4-37
BC21-7T BC21-8T BC21-9T	BC21-7C BC21-8C BC21-9C	.4998 FOR 3/16 SHAFT	3/4* 1 1 1/2	7/8	1 5/8	5/8	1/4	B1-7	B3-15	Q4-50
BC21-13T BC21-14T BC21-15T	BC21-13C BC21-14C BC21-15C	.6248 FOR 1/4 SHAFT	3/4* 1 1 1/2	15/16	1 3/4	11/16	1/4	B1-9	B3-16	Q4-62



\*No center grooves in 3/4" long units. 4 grooves in all others.

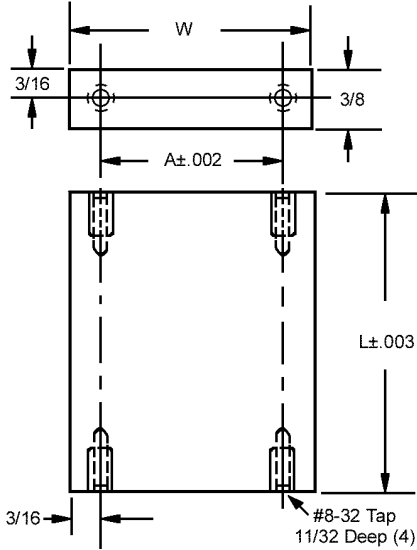
SHAFTS	STYLE	MATERIAL
1/8", 3/16" AND 1/4"	STYLE Y	ALUMINUM ANODIZED



TAPPED HOLE STOCK NO.	CLEAR HOLE STOCK NO.	B	D	E	C	A	F	G	RECOMMENDED		
									BALL	OIL-LESS BRONZE	BEARINGS RETAINER RING
BC21-4T BC21-5T BC21-6T	BC21-4C BC21-5C BC21-6C	.3748 FOR 1/8 SHAFT	3/4 1 1 1/2	3/4 1 1 1/2	3/4	1 1/2	9/16	3/16	B1-5	B3-13	Q4-37
BC21-10T BC21-11T BC21-12T	BC21-10C BC21-11C BC21-12C	.4998 FOR 3/16 SHAFT	3/4 1 1 1/2	3/4 1 1 1/2	7/8	1 5/8	5/8	1/4	B1-7	B3-15	Q4-50
BC21-16T BC21-17T BC21-18T	BC21-16C BC21-17C BC21-18C	.6248 FOR 1/4 SHAFT	3/4 1 1 1/2	3/4 1 1 1/2	15/16	1 3/4	11/16	1/4	B1-9	B3-16	Q4-62

# RECTANGULAR POST

STYLE	MATERIAL
HANGER POST	ALUMINUM ANODIZED

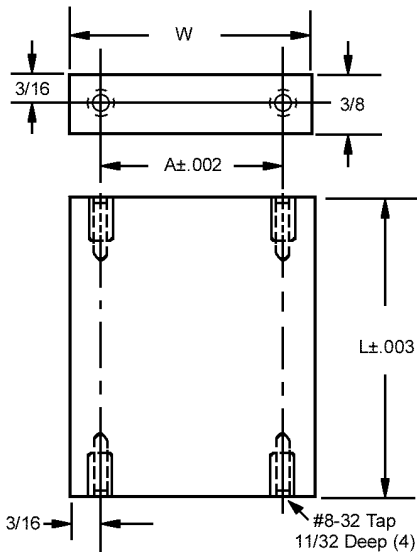


STOCK NO.	W	L	A
BC11-1		1.000	
BC11-2		1.500	
BC11-3		2.000	
BC11-4	1 1/4	2.500	7/8
BC11-5		3.000	
BC11-6		4.000	



**D**

STYLE	MATERIAL
BREADBOARD POSTS	ALUMINUM ANODIZED



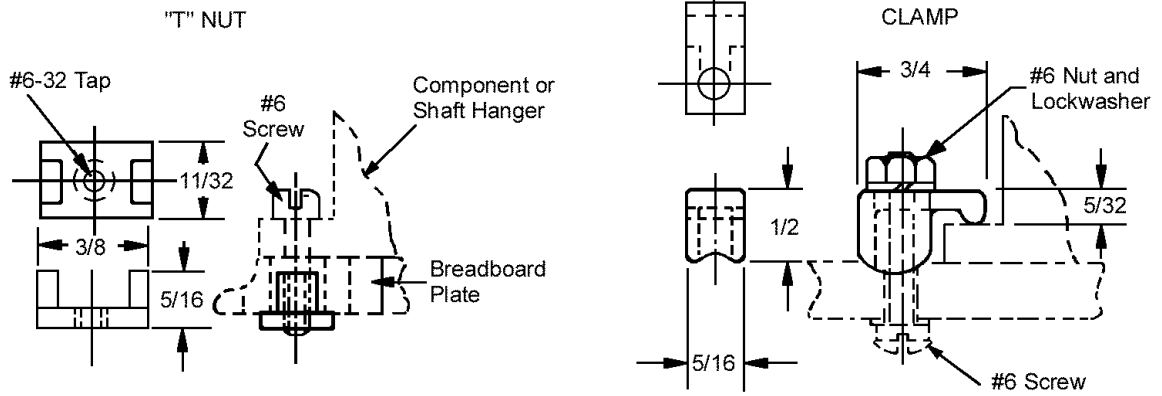
STOCK NO.	W	L	A
BC12-1		1.000	
BC12-2		1.500	
BC12-3		2.000	
BC12-4	1 1/2	2.500	1 1/8
BC12-5		3.000	
BC12-6		4.000	



# "T" NUT & CLAMP

**MATERIAL**

**HEAT TREATED STAINLESS STEEL**



STOCK NO.	DESCRIPTION
BC13-1	T-NUT - USED WITH BREADBOARD PLATES FOR TOP LOCK AND ADJUSTMENT
BC13-2	CLAMP- USED WITH BREADBOARD PLATES TO PERMIT ANGULAR LOCATION OF HANGERS, ETC.

# SPACER POSTS

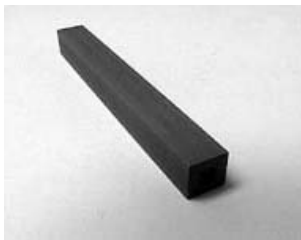
SIZE	MATERIAL
<b>1/8 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-29G	1/8	.500	#0-80 UNC-2B	1/8
BC14-30G		.625		
BC14-31G		.750		
BC14-32G		.875		
BC14-33G		1.000		
BC14-34G		1.250		
BC14-35G		1.500		
BC14-36G		1.750		
BC14-37G	2.000			

Drawing with dimensions on next page

SIZE	MATERIAL
<b>3/16 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-39G	3/16	.625	#2-56 UNC-2B	3/16
BC14-40G		.750		
BC14-41G		1.000		
BC14-42G		1.250		
BC14-43G		1.500		
BC14-44G		1.750		
BC14-45G		2.000		
BC14-46G		2.500		
BC14-47G		3.000		

Drawing with dimensions on next page

SIZE	MATERIAL
<b>1/4 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



GRAY ANODIZED STOCK NO.	BLACK ANODIZED STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-1G	BC14-1	1/4	1.000	#6-32 UNC 2B	1/4
BC14-2G	BC14-2		1.500		
BC14-3G	BC14-3		2.000		
BC14-4G	BC14-4		2.500		
BC14-5G	BC14-5		3.000		
BC14-6G	BC14-6		3.500		
BC14-7G	BC14-7		4.000		
BC14-27G	-		4.500		
BC14-28G	-		5.000		

Drawing with dimensions on next page

SIZE	MATERIAL
<b>5/16 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



GRAY ANODIZED STOCK NO.	BLACK ANODIZED STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-8G	BC14-8	5/16	.750	#6-32 UNC-2B	1/4
BC14-9G	BC14-9		1.000		
BC14-10G	BC14-10		1.250		
BC14-11G	BC14-11		1.500		
BC14-12G	BC14-12		1.750		
BC14-13G	BC14-13		2.000		
BC14-52G	-		2.500		
BC14-53G	-		3.000		
BC14-54G	-		3.500		

Drawing with dimensions on next page

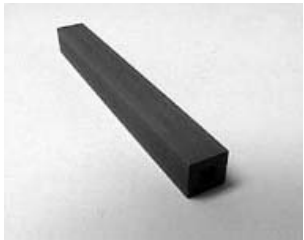
# SPACER POSTS

SIZE	MATERIAL
<b>3/8 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



GRAY ANODIZED STOCK NO.	BLACK ANODIZED STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-14G	BC14-14	3/8	1.500	#8-32 UNC-2B	5/16
BC14-15G	BC14-15		2.000		
BC14-16G	BC14-16		2.500		
BC14-17G	BC14-17		3.000		
BC14-18G	BC14-18		3.500		
BC14-19G	BC14-19		4.000		
BC14-38G	-		4.500		
BC14-20G	BC14-20		5.000		
BC14-21G	BC14-21		5.500		

SIZE	MATERIAL
<b>1/2 SQUARE</b>	<b>ALUMINUM ANODIZED</b>

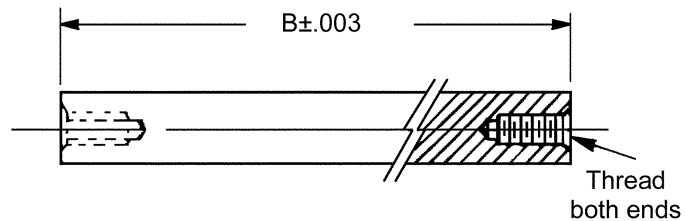
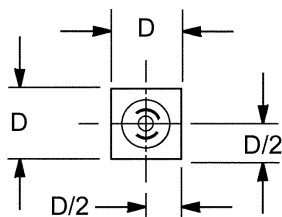


GRAY ANODIZED STOCK NO.	BLACK ANODIZED STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-22G	BC14-22	1/2	2.000	#10-32UNC-2B	3/8
BC14-23G	BC14-23		2.500		
BC14-24G	BC14-24		3.000		
BC14-25G	BC14-25		3.500		
BC14-26G	BC14-26		4.000		
BC14-48G	-		4.500		
BC14-49G	-		5.000		
BC14-50G	-		5.500		
BC14-51G	-		6.000		

SIZE	MATERIAL
<b>5/8 SQUARE</b>	<b>ALUMINUM ANODIZED</b>



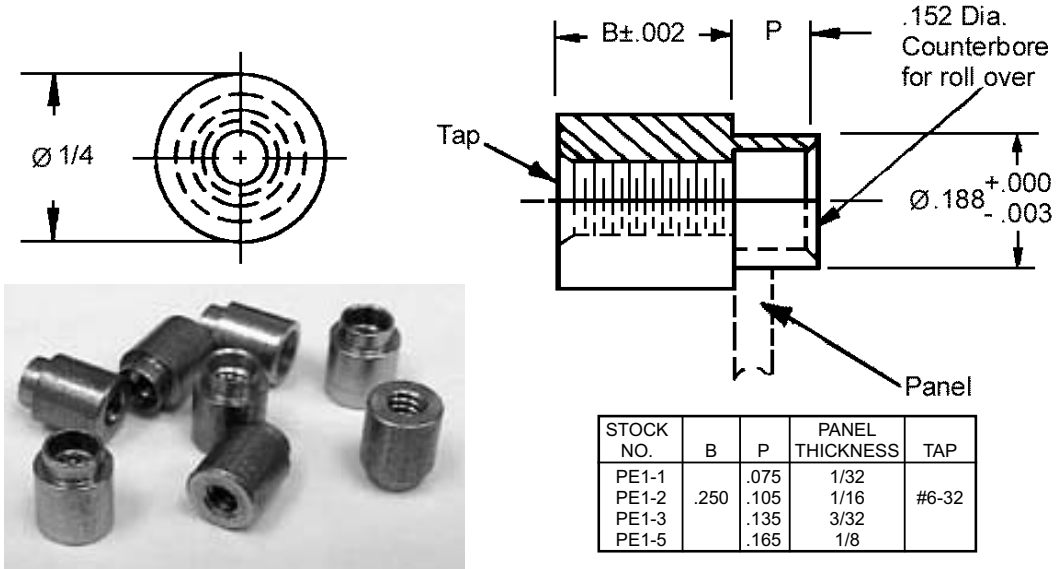
STOCK NO.	D	B	SCREW THREAD	THREAD DEPTH
BC14-55G	5/8	2.000	#1/4-20 UNC-2B	7/16
BC14-56G		2.500		
BC14-57G		3.000		
BC14-58G		3.500		
BC14-59G		4.000		
BC14-60G		4.500		
BC14-61G		5.000		
BC14-62G		5.500		
BC14-63G		6.000		



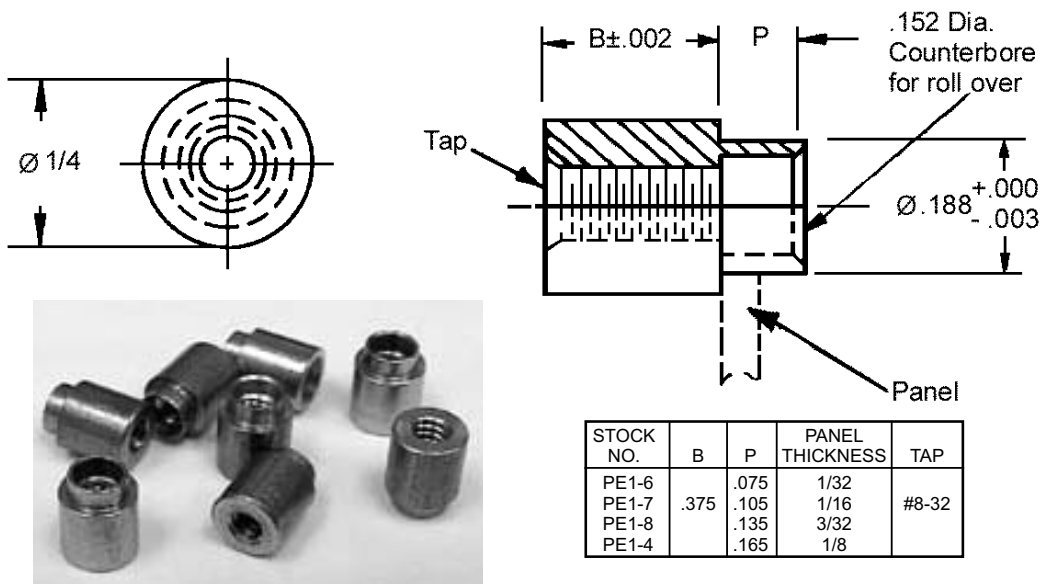
Special Spacer Posts are available on request.

# STAND OFF

HEIGHT SIZE	TYPE	MATERIAL
<b>.250</b>	<b>SWAGE</b>	<b>303 STAINLESS STEEL</b>

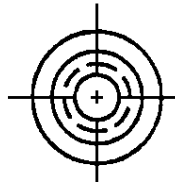
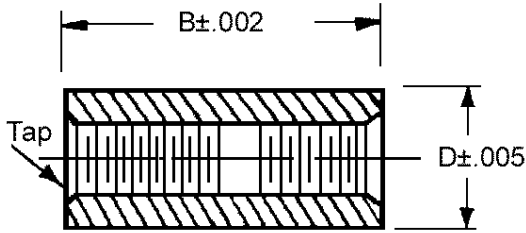


HEIGHT SIZE	TYPE	MATERIAL
<b>.375</b>	<b>SWAGE</b>	<b>303 STAINLESS STEEL</b>



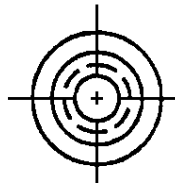
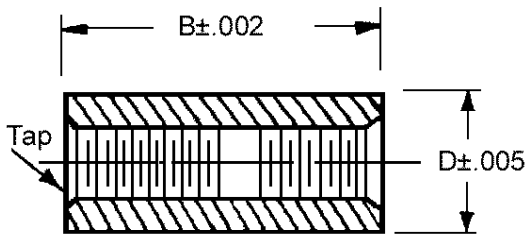
# STAND OFF

BODY SIZE	TYPE	MATERIAL
<b>Ø.187</b>	<b>THREADED</b>	<b>303 STAINLESS STEEL</b>



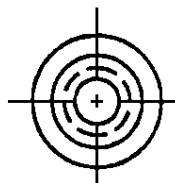
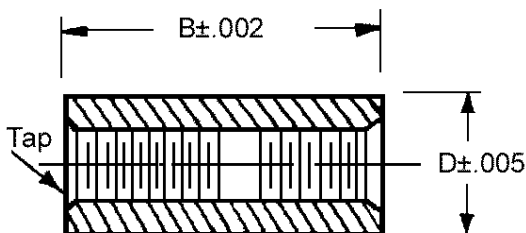
STOCK NO.	B	ØD	TAP
PE2-1	.250	.187	#4-40
PE2-2	.375		
PE2-3	.500		
PE2-13	.750		

BODY SIZE	TYPE	MATERIAL
<b>Ø.250</b>	<b>THREADED</b>	<b>303 STAINLESS STEEL</b>



STOCK NO.	B	ØD	TAP
PE2-12	.250	.250	#6-32
PE2-4	.375		
PE2-5	.500		
PE2-6	.625		
PE2-7	.750		
PE2-14	1.000		

BODY SIZE	TYPE	MATERIAL
<b>Ø.375</b>	<b>THREADED</b>	<b>303 STAINLESS STEEL</b>



STOCK NO.	B	ØD	TAP
PE2-8	.375	.375	#8-32
PE2-9	.500		
PE2-10	.625		
PE2-11	.750		
PE2-15	1.000		



# COMPONENT PLATE POSTS

BODY SIZE	MATERIAL
<b>Ø9/32</b>	<b>303 STAINLESS STEEL</b>

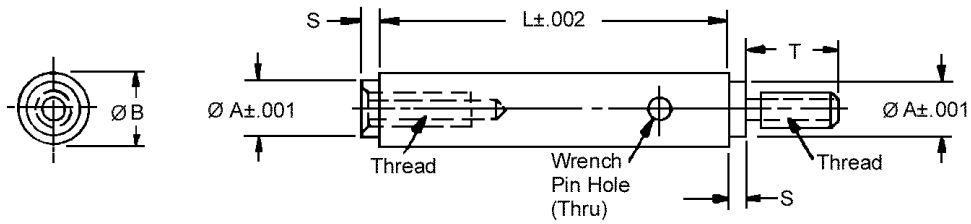
STOCK NO.	ØA	ØB	L	THREAD	T	S
PA2-1	.187	9/32	.781	#4-40	1/4	1/16
PA2-2			1.000			
PA2-3			1.500			

BODY SIZE	MATERIAL
<b>Ø3/8</b>	<b>303 STAINLESS STEEL</b>

STOCK NO.	ØA	ØB	L	THREAD	T	S
PA2-4	.250	3/8	.875	#10-32	3/8	3/32
PA2-5			1.250			
PA2-6			1.750			

BODY SIZE	MATERIAL
<b>Ø1/2</b>	<b>303 STAINLESS STEEL</b>

STOCK NO.	ØA	ØB	L	THREAD	T	S
PA2-7	.312	1/2	.875	1/4-28	1/2	1/8
PA2-8			1.500			
PA2-9			1.750			
PA2-10			2.500			



**D**

# HOUSING COVER POSTS

BODY SIZE	MATERIAL
9/32	303 STAINLESS STEEL

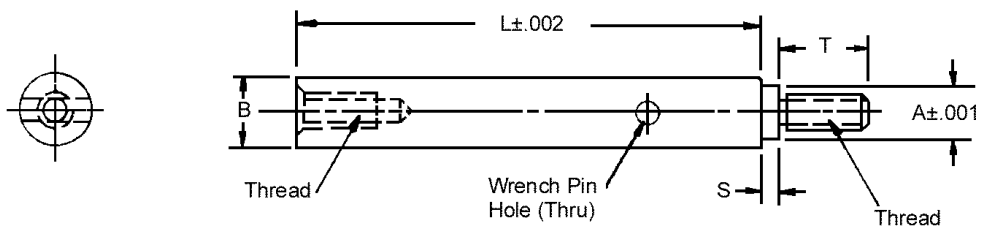
STOCK NO.	ØA	ØB	L	THREAD	T	S
PA3-1	.187	9/32	2.000	#4-40	1/4	1/16
PA3-2			2.312			
PA3-3			3.000			

BODY SIZE	MATERIAL
3/8	303 STAINLESS STEEL

STOCK NO.	ØA	ØB	L	THREAD	T	S
PA3-4	.250	3/8	2.500	#10-32	3/8	3/32
PA3-5			3.000			
PA3-6			3.750			

BODY SIZE	MATERIAL
1/2	303 STAINLESS STEEL

STOCK NO.	ØA	ØB	L	THREAD	T	S
PA3-7	.312	1/2	2.625	1/4-28	1/2	1/8
PA3-8			3.000			
PA3-9			4.125			
PA3-10			4.750			



# INSTRUMENT PLATE PILLAR POSTS

BODY SIZE	MATERIAL
<b>Ø9/32</b>	<b>303 STAINLESS STEEL</b>

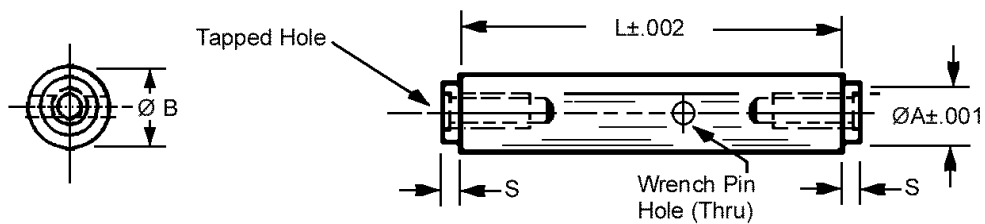
STOCK NO.	ØA	ØB	L	THREAD	S
PA1-1	.187	9/32	.875	#4-40	1/16
PA1-2			1.250		
PA1-3			1.580		
PA1-4			2.000		

BODY SIZE	MATERIAL
<b>Ø3/8</b>	<b>303 STAINLESS STEEL</b>

STOCK NO.	ØA	ØB	L	THREAD	S
PA1-5	.250	3/8	.875	#10-32	3/32
PA1-6			1.250		
PA1-7			1.500		
PA1-8			1.750		
PA1-9			2.240		

BODY SIZE	MATERIAL
<b>Ø1/2</b>	<b>303 STAINLESS STEEL</b>

STOCK NO.	ØA	ØB	L	THREAD	S
PA1-10	.312	1/2	1.000	1/4-28	1/8
PA1-11			1.750		
PA1-12			2.500		
PA1-13			3.280		

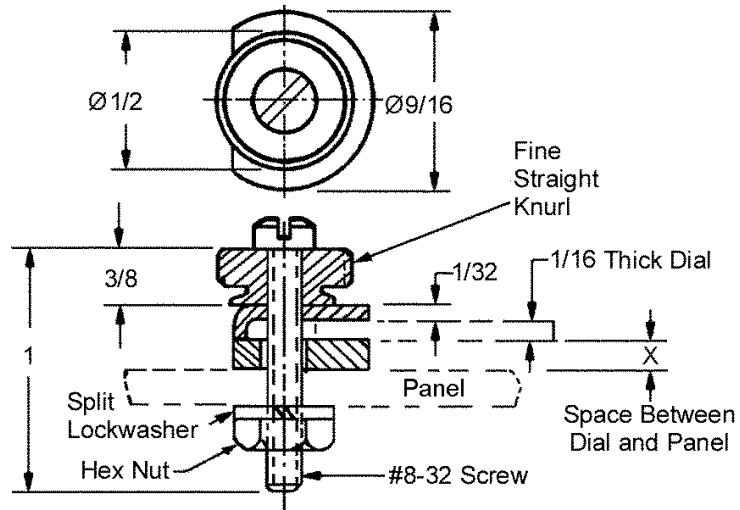


**D**

# DIAL CLAMP

**MATERIAL**

**STAINLESS STEEL**



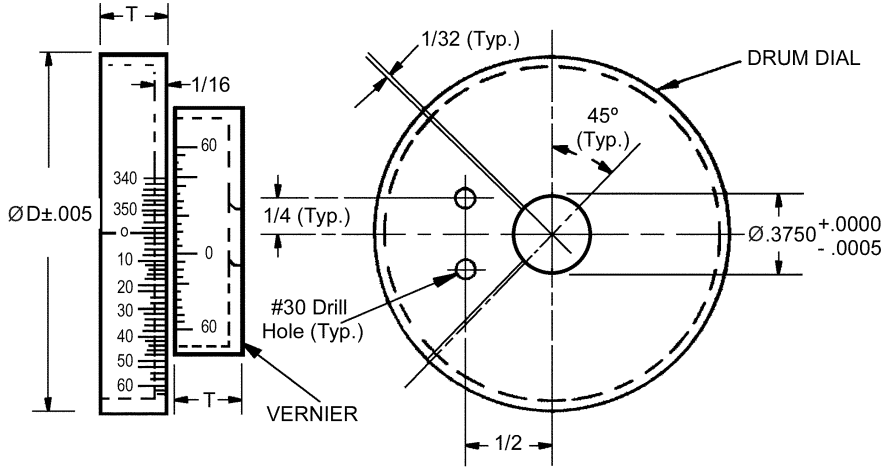
STOCK NO.	X
A16-1	1/16
A16-2	1/8

Supplied complete with all hardware.



# DRUM DIALS

DIAMETER	TYPE	MATERIAL
1 1/2" TO 3"	SETS, DIALS OR VERNIERS	ALUMINUM BLACK ANODIZED



SET STOCK NO.	DIAL STOCK NO.	VERNIER STOCK NO.	D DIAL DIA.	T WIDTH	VERNIER READING	GRADUATIONS
A1-1*	A1-1-D	A1-1-V	1.490	3/8	12 MIN.	180 IN 2° STEPS
A1-2*	A1-2-D	A1-2-V	1.990	3/8	12 MIN.	180 IN 2° STEPS
A1-3	A1-3-D	A1-3-V	2.490	1/2	6 MIN.	360 IN 1° STEPS
A1-4	A1-4-D	A1-4-V	2.990	1/2	6 MIN.	360 IN 1° STEPS

\* Dials and Verniers are numbered every 20°.

Engraving filled with white.  
Range of Graduations - 0 to 360°

- Available on request:
- Pin or Clamp Hubs assembled to drum
  - Counter Clockwise numbering
  - Special Engraving

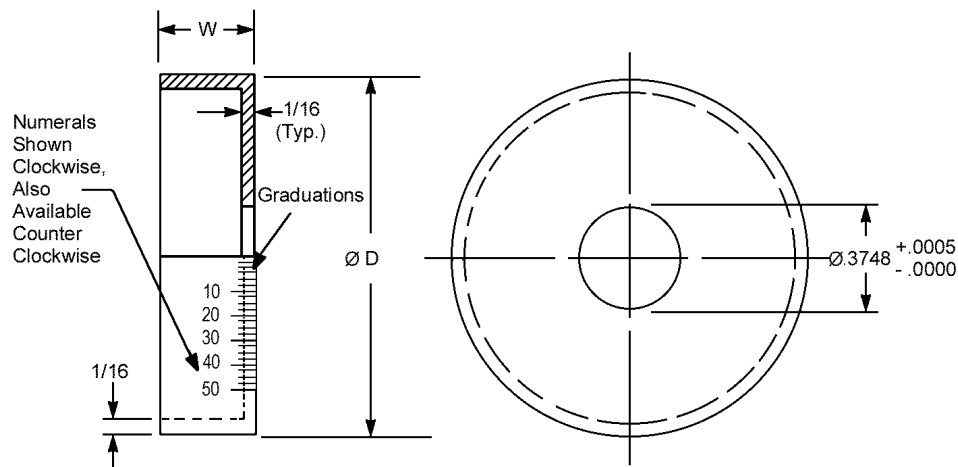
For Pin and Clamp Hubs see index.



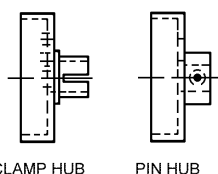
**D**

# DRUM DIALS

DIAMETER	MATERIAL
1" TO 3"	ALUMINUM BLACK ANODIZED



STOCK NO.	W WIDTH	D DIAL DIA.	DIRECTION OF NUMBERING	GRADUATIONS RANGE	NO. OF GRAD.S	STEPS IN DEGREES
A3-1	3/8	1 (.990)	BLANK	-	-	-
A3-2*			CW	0 TO 360	180	2°
A3-3			CW	0 TO 100	100	3°-36'
A4-1	3/8	1 1/2 (1.490)	BLANK	-	-	-
A4-2*			CW	0 TO 360	180	2°
A4-3			CW	0 TO 100	100	3°-36'
A4-4			CW	0 TO 60	60	6°
A5-1	3/8	2 (1.990)	BLANK	-	-	-
A5-2*			CW	0 TO 360	180	2°
A5-3			CW	0 TO 50	50	7°-12'
A5-4			CW	0 TO 25	25	14°-24'
A6-1	1/2	2 1/2 (2.490)	BLANK	-	-	-
A6-2			CW	0 TO 360	360	1°
A6-3			CW	0 TO 100	100	3°-36'
A6-4			CCW	0 TO 360	360	1°
A7-1	1/2	3 (2.990)	BLANK	-	-	-
A7-2			CW	0 TO 360	360	1°
A7-3*			CW	0 TO 360	180	2°
A7-4			CW	0 TO 100	100	3°-36'
A7-5			CCW	0 TO 360	360	1°



\* Dials are numbered every 20°.

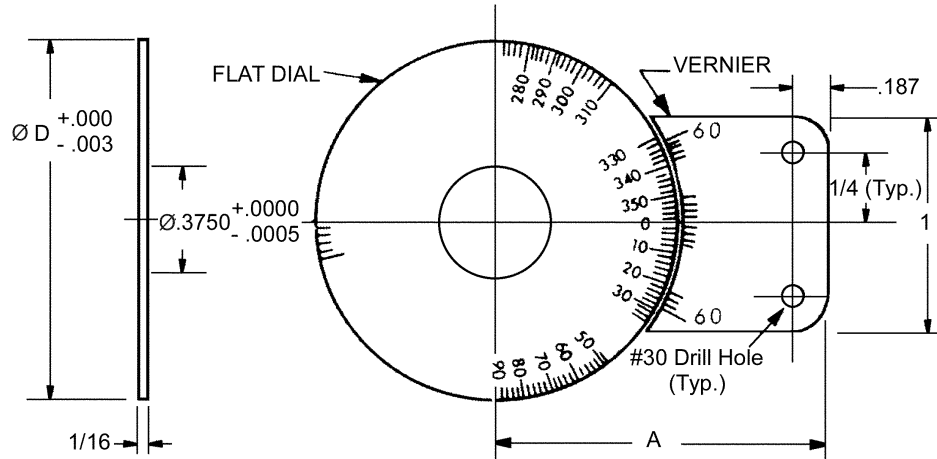
Engraving filled with white.  
Range of Graduations - 0 to 360°

Available on request:  
• Pin or Clamp Hubs assembled to drum  
• Special Engraving

For Pin and Clamp Hubs see index.

# FLAT DIALS

DIAMETER	TYPE	MATERIAL
1 1/2" TO 4"	SETS, DIALS OR VERNIERS	ALUMINUM BLACK ANODIZED



SET STOCK NO.	DIAL STOCK NO.	VERNIER STOCK NO.	A	D DIAL DIA.	VERNIER READING	GRADUATIONS
A2-1*	A2-1-D	A2-1-V	1.760	1 1/2	12 MIN.	180 IN 2° STEPS
A2-2*	A2-2-D	A2-2-V	2.010	2	12 MIN.	180 IN 2° STEPS
A2-3	A2-3-D	A2-3-V	2.510	3	6 MIN.	360 IN 1° STEPS
A2-4	A2-4-D	A2-4-V	3.010	4	6 MIN.	360 IN 1° STEPS

\* Dials and Verniers are numbered every 20°.

Engraving filled with white.  
Range of Graduations - 0 to 360°

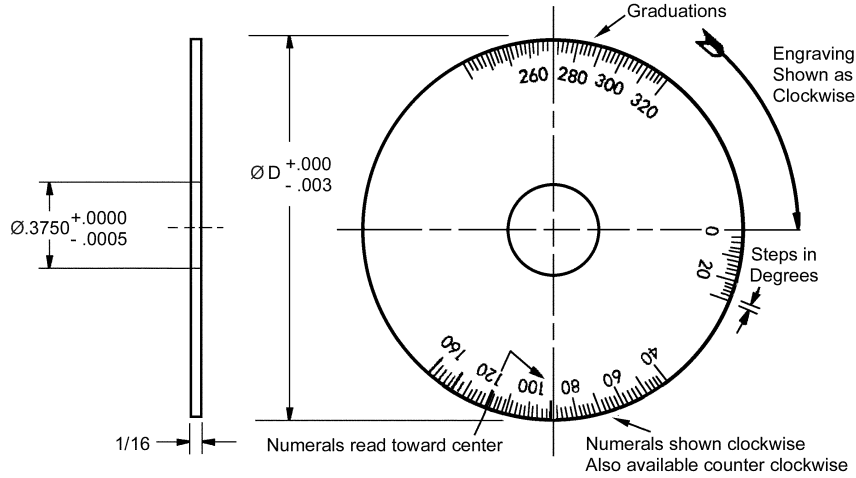
- Available on request:
- Pin or Clamp Hubs assembled to drum
  - Read at 12 o'clock
  - Counter Clockwise numbering
  - Special Engraving

For Pin and Clamp Hubs see index.

**D**

# ENGRAVED FLAT DISKS

DIAMETER	MATERIAL
1 1/2" TO 4"	ALUMINUM BLACK ANODIZED



STOCK NO.	D DIAL DIA.	DIRECTION OF NUMBERING	GRADUATIONS RANGE	NO. OF GRAD.S	STEPS IN DEGREES
A8-1	1 1/2	BLANK	-	-	-
A8-2*		CW	0 TO 360	180	2°
A8-3		CW	0 TO 100	100	3°-36'
A8-4		CW	0 TO 50	50	7°-12'
A8-5		CW	0 TO 10	10	36°
A9-1	2	BLANK	-	-	-
A9-2*		CW	0 TO 360	180	2°
A9-3*		CCW	0 TO 360	180	2°
A9-4		CW	0 TO 100	100	3°-36'
A9-5		CCW	0 TO 100	100	3°-36'
A9-6		CW	0 TO 72	72	5°
A9-7		CW	0 TO 60	60	6°
A9-8		CW	0 TO 50	50	7°-12'
A10-1	3	BLANK	-	-	-
A10-2		CW	0 TO 360	360	1°
A10-3*		CW	0 TO 360	180	2°
A10-4		CW	0 TO 200	200	1°-48'
A10-5		CW	0 TO 120	120	3°
A10-6		CW	0 TO 100	100	3°-36'
A10-7		CW	0 TO 72	72	5°
A10-8		CCW	0 TO 360	360	1°
A10-9		CCW	0 TO 100	100	3°-36'
A11-1	4	BLANK	-	-	-
A11-2		CW	0 TO 360	360	1°
A11-3*		CW	0 TO 360	180	2°
A11-4		CW	0 TO 200	200	1°-48'
A11-5		CW	0 TO 100	100	3°-36'
A11-6		CW	0 TO 1000	500	43°-12'
A11-7		CCW	0 TO 360	360	1°
A11-8*		CCW	0 TO 360	180	2°

\* Dials are numbered every 20°.

Engraving filled with white.  
Range of Graduations - 0 to 1000°

Available on request:  
• Pin or Clamp Hubs assembled to drum  
• Special Engraving

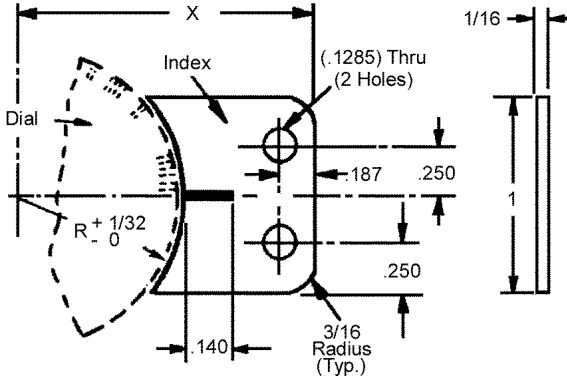
For Pin and Clamp Hubs see index.





# FLAT DIAL INDEX

MATERIAL	
<b>ALUMINUM BLACK ANODIZED</b>	



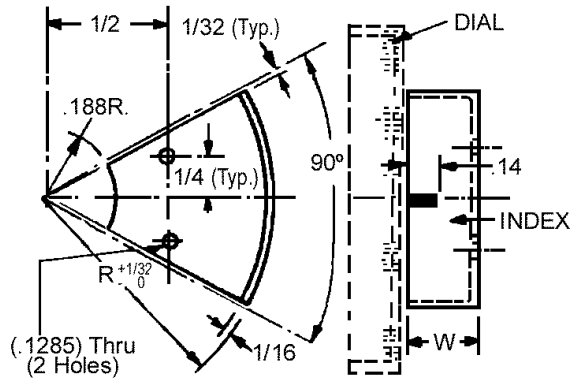
STOCK NO.	X	R
A13-1	1 3/4	.750
A13-2	2	1.000
A13-3	2 1/2	1.500
A13-4	3	2.000



**D**

# DRUM DIAL INDEX

MATERIAL	
<b>ALUMINUM BLACK ANODIZED</b>	

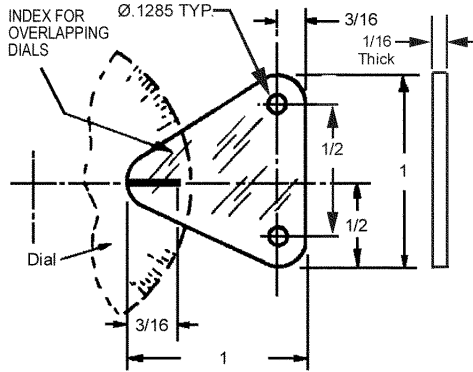


STOCK NO.	X	R
A14-1	.745	.375
A14-2	.995	.375
A14-3	1.245	.500
A14-4	1.495	.500

# ENGRAVED INDEX

## MATERIAL

**PLEXIGLASS**

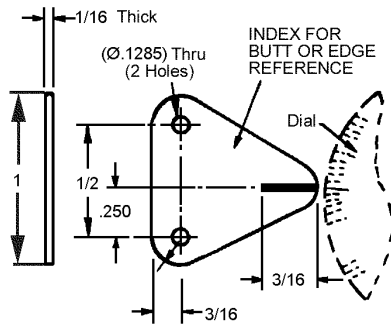


STOCK NO.	MATERIAL & FINISH
A12-1	PLEXIGLASS (CLEAR) MIL-P-5425



## MATERIAL

**ALUMINUM BLACK ANODIZED**

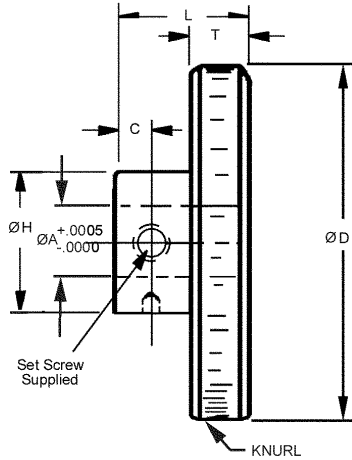


STOCK NO.	MATERIAL & FINISH
A12-2	24 ST. ALUMINUM, BLACK ANODIZED

# KNURLED HANDWHEELS

MATERIAL

303 STAINLESS STEEL



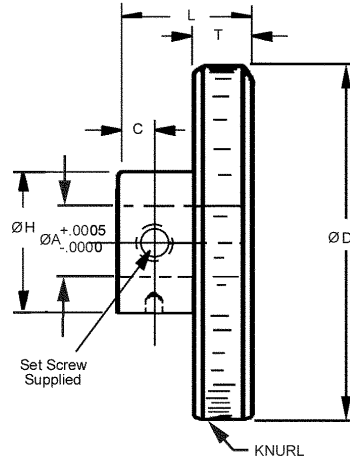
D

STOCK NO.	ØA	ØD	ØH	T	L	C
CN1-1	.1248	1				
CN1-2	(1/8)	1 1/2	5/16	3/16	.375	.09
CN1-3		2				
CN1-4	.1873	1				
CN1-5	(3/16)	1 1/2	3/8	3/16	.406	.11
CN1-6		2				
CN1-7	.2498	1				
CN1-8	(1/4)	1 1/2	1/2	3/16	.437	.12
CN1-9		2				
CN1-10	.3123	1				
CN1-11	(5/16)	1 1/2	1/2	3/16	.437	.12
CN1-12		2				
CN1-13	.3748	2				
CN1-14	(3/8)	2 1/2	3/4	3/8	.875	.25
CN1-15		3				
CN1-16	.4998	2 1/2				
CN1-17	(1/2)	3	1	3/8	.875	.25
CN1-18		4				

# KNURLED HANDWHEELS

**MATERIAL**

**ALUMINUM BLACK ANODIZED**

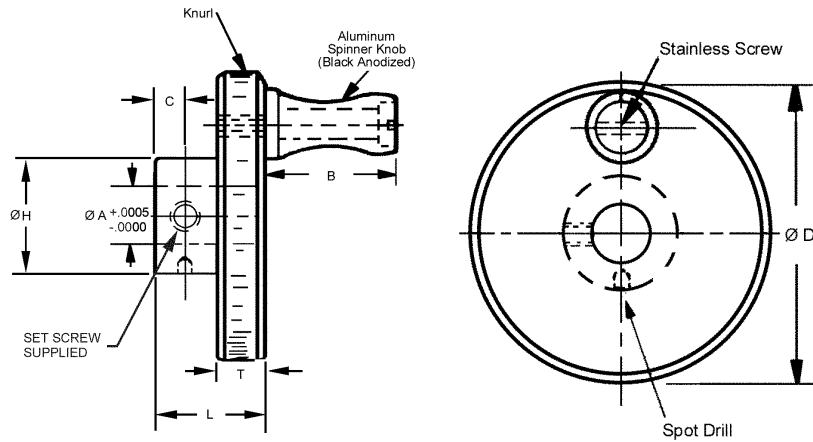


STOCK NO.	$\varnothing A$	$\varnothing D$	$\varnothing H$	T	L	C
CN11-1	.125	1 1/8				
CN11-2	(1/8)	1 5/8	5/8	3/16	7/16	1/8
CN11-3	.187	1 1/8				
CN11-4	(3/16)	2 1/8	5/8	3/16	7/16	1/8
CN11-5	.250	1 5/8				
CN11-6	(1/4)	2 1/8	5/8	3/16	7/16	1/8
CN11-7	.375	1 5/8				
CN11-8	(3/8)	2 5/8	1	1/2	3/4	1/8
CN11-9	.500	2 5/8				
CN11-10	(1/2)	3 1/2	1	1/2	3/4	1/8

# KNURLED HAND CRANKS

## MATERIAL

**303 STAINLESS STEEL**

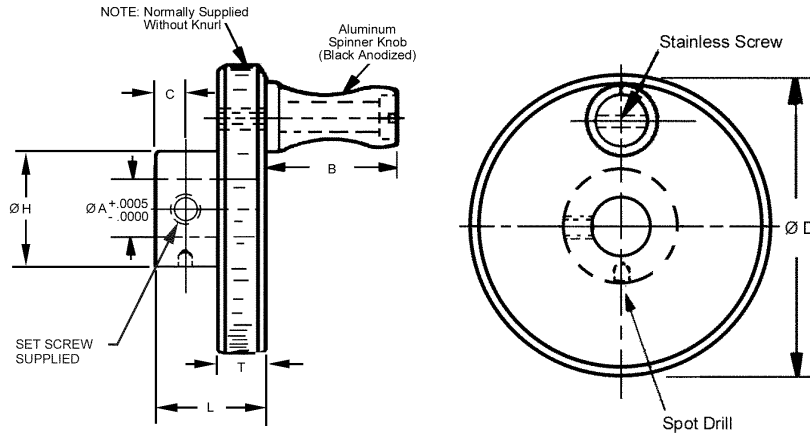


STOCK NO.	$\varnothing A$	$\varnothing D$	$\varnothing H$	T	L	C	B
CN2-1	.1248	1					
CN2-2	(1/8)	1 1/2	5/16	3/16	.375	.09	3/4
CN2-3		2					
CN2-4	.1873	1					
CN2-5	(3/16)	1 1/2	3/8	3/16	.406	.11	3/4
CN2-6		2					
CN2-7	.2498	1					
CN2-8	(1/4)	1 1/2	1/2	3/16	.437	.12	3/4
CN2-9		2					
CN2-10	.3123	1					
CN2-11	(5/16)	1 1/2	1/2	3/16	.437	.12	3/4
CN2-12		2					
CN2-13	.3748	2					
CN2-14	(3/8)	2 1/2	3/4	3/8	.875	.25	31/32
CN2-15		3					
CN2-16	.4998	2 1/2					
CN2-17	(1/2)	3	1	3/8	.875	.25	31/32
CN2-18		4					

# HAND CRANKS

## MATERIAL

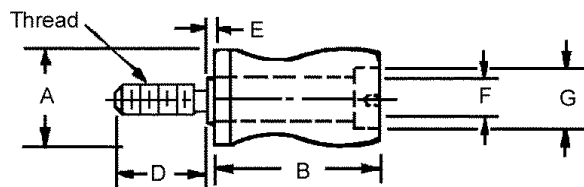
## ALUMINUM BLACK ANODIZED



STOCK NO.	$\varnothing A$	$\varnothing D$	$\varnothing H$	T	L	B	C
CN12-1	.125	1 1/8					
CN12-2	(1/8)	1 5/8	5/8	3/16	7/16	3/4	1/8
CN12-3	.187	1 1/8					
CN12-4	(3/16)	2 1/8	5/8	3/16	7/16	3/4	1/8
CN12-5	.250	1 5/8					
CN12-6	(1/4)	2 1/8	5/8	3/16	7/16	3/4	1/8
CN12-7	.375	1 5/8				3/4	
CN12-8	(3/8)	2 5/8	1	1/2	3/4	31/32	1/8
CN12-9	.500	2 5/8					
CN12-10	(1/2)	3 1/2	1	1/2	3/4	31/32	1/8

# KNOBS

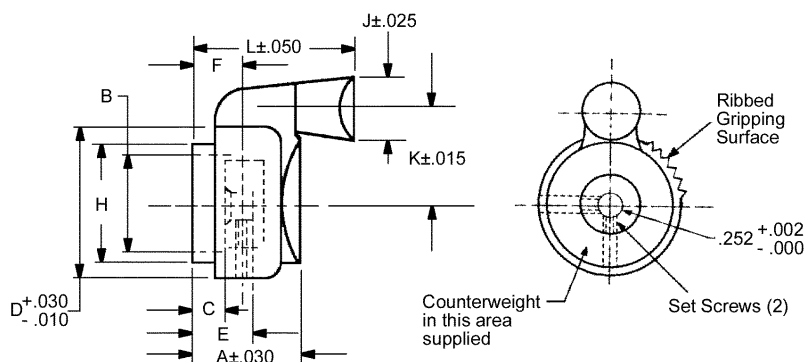
TYPE	MATERIAL
<b>SPINNER KNOB AND SCREW</b>	<b>ALUMINUM BLACK ANODIZED WITH 303 STAINLESS STEEL SCREW</b>



STOCK NO.	A	B	THREAD	D	E	F	G
CN8-1	1/2	3/4	#8-32	3/16	1/64	3/16	5/16
CN8-2	11/16	31/32	1/4-20	7/16	1/64	5/16	1/2
CN8-3	15/16	1 1/4	3/8-16	5/8	11/32	1/2	3/4

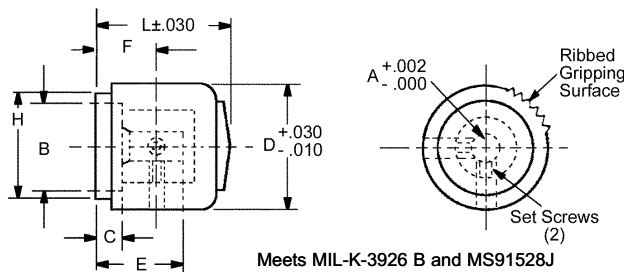


TYPE	MATERIAL
<b>SPINNER KNOB WITH RIBBED GRIPPING SURFACE</b>	<b>THERMOPLASTIC BLACK MATTE FINISH WITH ALUMINUM INSERTS</b>



STOCK NO.	MS PART NO.	D	NUT CLEARANCE B MIN.	C MIN.	F MAX.	SHAFT HOLE DEPTH E MIN.	A	H MAX.	L	J	K	SET SCREW
CN5-22	-3S2B	1.250	.685	.250	.427	.605	.850	1.185	1.350	.580	.800	#8-32
CN5-23	-4S2B	1.750	.685	.320	.489	.740	1.070	1.690	1.758	.780	1.094	#8-32

TYPE	MATERIAL
<b>ROUND KNOBS</b>	<b>ALUMINUM BLACK ANODIZED WITH 303 STAINLESS STEEL SCREW</b>



STOCK NO.	MS PART NO.	A	D	NUT CLEARANCE B MIN.	C MIN.	F MAX.	E MIN.	L	H MAX.	SET SCREW
CN5-14	-0D1B	.127	.500	.300	.177	.325	.560	.655	.460	#4-40
CN5-15	-1D2B	.252	.700	.485	.188	.369	.568	.782	.680	#4-40
CN5-16	-2D2B	.252	.900	.640	.320	.484	.730	1.010	.845	#8-32
CN5-17	-3D2B	.252	1.250	.750	.250	.427	.605	.850	1.185	#8-32

# SYNCRO MOUNT CLAMPS

SHAFTS	MATERIAL
1/8" TO 1/4"	416 STAINLESS STEEL HEAT TREATED - ROCKWELL C28-32 (CAST)

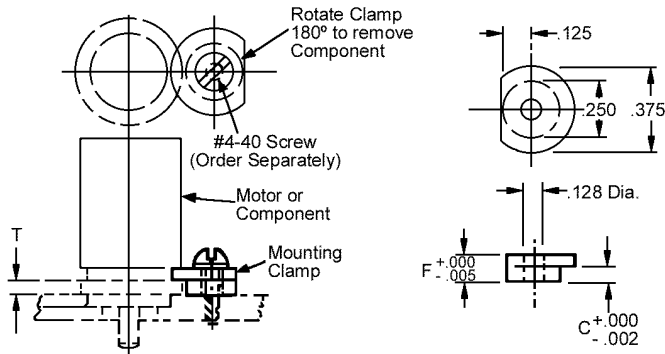
STOCK NO.	T	C	F
SM-11	.062	.052	.100
SM-12	.093	.081	.131
SM-13	.125	.109	.160
SM-14	.250	.238	.288
SM-15	.072	.063	.113
SM-16	.125	.112	.162
SM-17	.156	.143	.193
SM-18	.225	.213	.263

SHAFTS	MATERIAL
1/8" TO 1/4"	303 STAINLESS STEEL

STOCK NO.	T	C	F
SM-1	.062	.052	.100
SM-2	.093	.081	.131
SM-3	.125	.109	.160
SM-4	.250	.238	.288
SM-5	.072	.063	.113
SM-6	.125	.112	.162
SM-7	.156	.143	.193
SM-8	.225	.213	.263

SHAFTS	MATERIAL
1/8" TO 1/4"	2024-T4 ALUMINUM

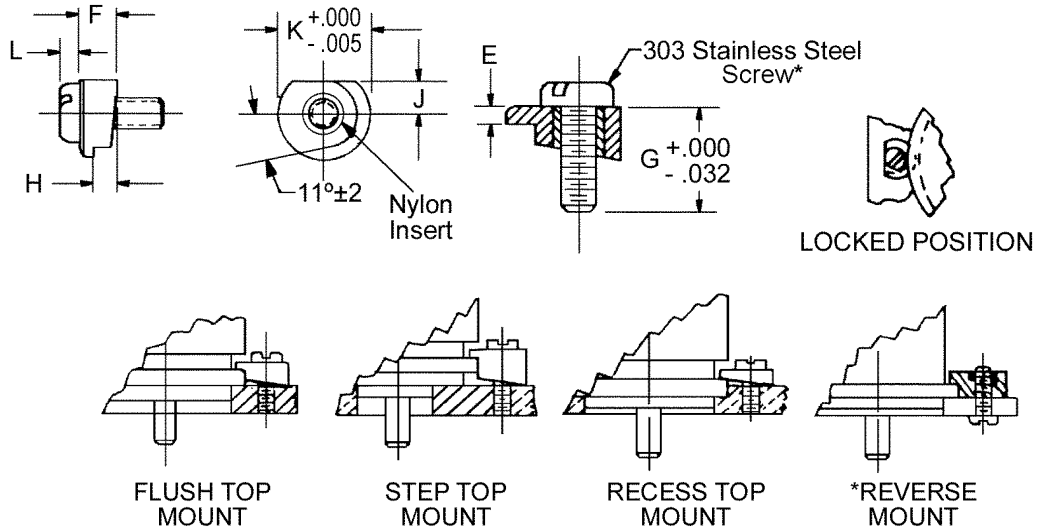
STOCK NO.	T	C	F
SM-1-A	.062	.052	.100
SM-2-A	.093	.081	.131
SM-3-A	.125	.109	.160
SM-4-A	.250	.238	.288





# SYNCRO MOUNT CLAMPS

MOUNT STYLES	MATERIAL
TOP AND REVERSE	316 STAINLESS STEEL (SINTERED) WITH NYLON INSERTS



STOCK NO.	MOUNT STYLE	+.003 H	REF J	+.003 E	REF F	G	SCREW SIZE	+.000 -.005 K	L MAX	BOLT CIRCLE FOR CLEATS
										USE THE LARGER OF THE FOLLOWING TWO BOLT CIRCLES
SQ-1 SQ-2 SQ-3 SQ-4 SQ-5	TOP	.031 .047 .062 .093 .125	.091	.040 .040 .040 .040 .040	.071 .087 .102 .133 .165	1/4 1/4 1/4 5/16 5/16	#2-56	.265	.053	ADD .192" TO MAX FLANGE DIA., OR ADD .275" TO MAX GROOVE BASE DIA.
SQ-6 SQ-7 SQ-8 SQ-9 SQ-10 SQ-11 SQ-12 SQ-13 SQ-14 SQ-15 SQ-16 SQ-17	TOP	.031 .062 .062 .078 .093 .093 .093 .125 .156 .225 .250	.125	.040 .040 .050 .063 .063 .040 .050 .143 .156 .175 .196 .288 .312	.071 .102 .112 .125 .141 .133 .143 .156 .175 .196 .288 .312	5/16 5/16 3/8 3/8 3/8 3/8 3/8 3/8 3/8 3/8 7/16 5/8	#4-40	.390	.068	ADD .270" TO MAX FLANGE DIA., OR ADD .400" TO MAX GROOVE BASE DIA.
SQ-18	TOP	.250 +.005	.187	.187 +.005	.437	7/8	#10-32	.625 +.000	.110	ADD .406" TO MAX FLANGE DIA., OR ADD .630" TO MAX GROOVE BASE DIA.
SQ-19 SQ-20 SQ-26	REVERSE	.062 .093 .125	.125	.063 .063 .063	.125 .156 .187	- - -	*#4-40	.390	- - -	ADD .270" TO MAX FLANGE DIA., OR ADD .400" TO GROOVE BASE DIA.

- Quick Releasing
- Faster Nulling of Clamped Component
- Self Locking

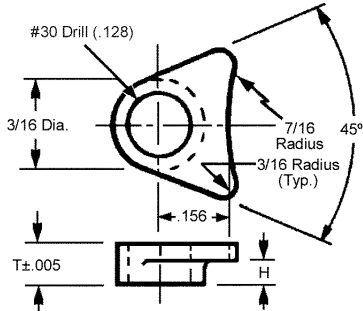
Meets ASTM B525 Clamp and ASTM B4066 Insert

\* 303 Stainless Steel slotted pan head screw supplied (except reverse mount).

Phillips pan head screw (MIL Standard) available on request

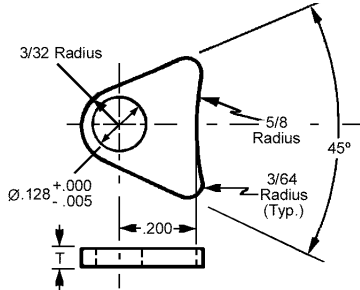
# SYNCRO MOUNT CLAMPS

SHAFTS	MATERIAL
1/8" TO 1/4"	303 STAINLESS STEEL AND ALUMINUM



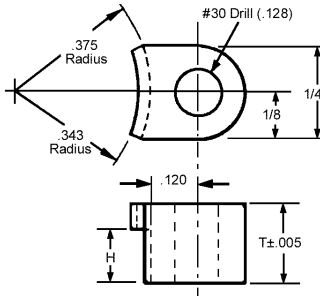
303 STAINLESS STEEL STOCK NO.	ALUMINUM STOCK NO.	H	T
SM-20	SM-20-A	.047	.093
SM-21	SM-21-A	.110	.156
SM-22	SM-22-A	.210	.272

SHAFTS	MATERIAL
1/8" TO 1/4"	302 STAINLESS STEEL AND ALUMINUM



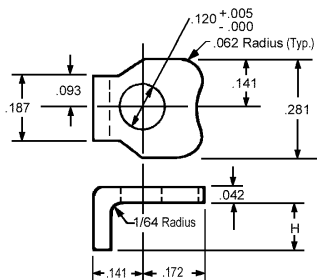
302 STAINLESS STEEL STOCK NO.	ALUMINUM STOCK NO.	T
SM-23	SM-23-A	.040

SHAFTS	MATERIAL
1/8" TO 1/4"	303 STAINLESS STEEL AND ALUMINUM



303 STAINLESS STEEL STOCK NO.	ALUMINUM STOCK NO.	H	T
SM-24	SM-24-A	.020	.065
SM-25	SM-25-A	.050	.095
SM-26	SM-26-A	.115	.160
SM-27	SM-27-A	.175	.220

SHAFTS	MATERIAL
1/8" TO 1/4"	302 STAINLESS STEEL

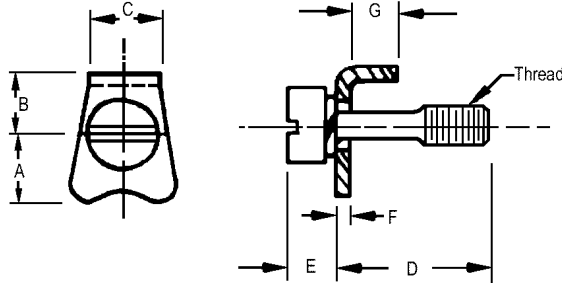


302 STAINLESS STEEL STOCK NO.	H
SM-28	FLAT
SM-29	.047
SM-30	.078
SM-31	.110
SM-32	.142



# SYNCRO MOUNT CLAMPS

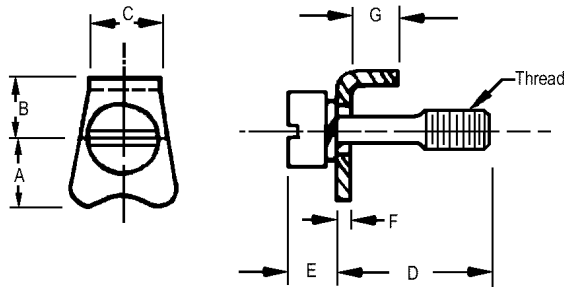
THREAD	MATERIAL
#2-56, #4-40 AND #6-32	303 STAINLESS STEEL SCREW 302 STAINLESS STEEL CLAMP & LOCKWASHER



STOCK NO.	COMPONENT SIZE	THREAD	A	B	C	D	E	F	G
SQ-27	08 & 10	#2-56	.150	.080	.125	.192	.093	.028	.070
SQ-28	11, 15 & 18	#4-40	.172	.110	.187	.289	.113	.032	.093
SQ-29	23	#6-32	.250	.156	.250	.475	.138	.062	.255

**D**

THREAD	MATERIAL
#2-64, #4-48 AND #6-40	303 STAINLESS STEEL SCREW 302 STAINLESS STEEL CLAMP & LOCKWASHER

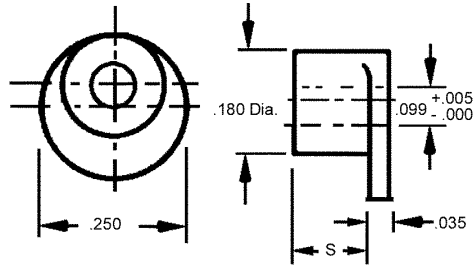


STOCK NO.	COMPONENT SIZE	THREAD	A	B	C	D	E	F	G
SQ-30	08 & 10	#2-64	.150	.080	.125	.192	.093	.028	.070
SQ-31	11, 15 & 18	#4-48	.172	.110	.187	.289	.113	.032	.093
SQ-32	23	#6-40	.250	.156	.250	.475	.138	.062	.255

# SYNCRO MOUNT CLAMPS

## MATERIAL

**303 STAINLESS STEEL**

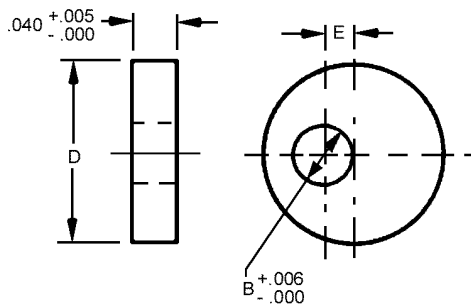


STOCK NO.	S
SM-47	.057
SM-48	.088
SM-49	.104
SM-50	.117



## MATERIAL

**303 STAINLESS STEEL AND ALUMINUM**

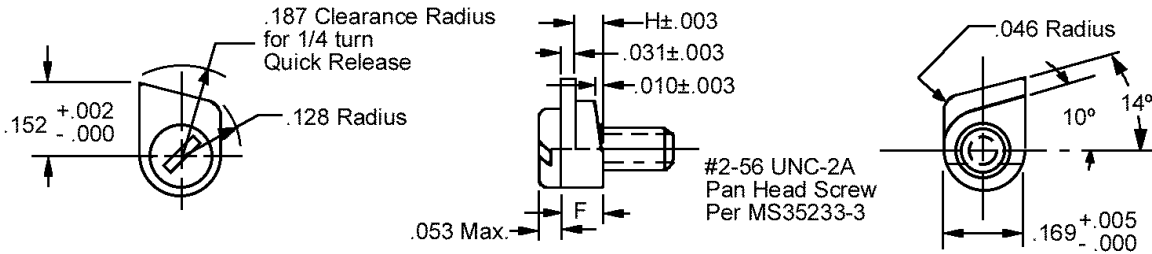


303 STAINLESS STEEL STOCK NO.	ALUMINUM STOCK NO.	E	D	B
SM-43	SM-43-A	.011	.187	.103
SM-44	SM-44-A	.031	.250	.127
SM-45	SM-45-A	.062	.310	.127
SM-46	SM-46-A	.062	.370	.127

# MINIATURE SYNCRO MOUNT CLAMPS

## MATERIAL

**316 STAINLESS STEEL (SINTERED)  
WITH NYLON INSERT**



STOCK NO.	COMP. SIZE	MOUNT STYLE	H	F
SQ-21	5, 8, 10	TOP	.031	.062
SQ-22	5	TOP	.047	.078
SQ-23	8, 10	TOP	.062	.093

- Quick Releasing
- Self Locking

**D**

