

Leveling and Support

Support from UNITED
is on the Level



SPRING JACK LOCKS
Pg H10



FAST-LOCK CLAMP ROUND BAR
Pg H2



STEEL SOCKET LEVELING PADS
Pg H12



CUSHIONED UNI-PADS
Pg H17



FIXTURE JACKS Pg H18



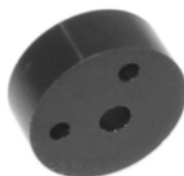
JIG LEVELING FEET & PADS Pg H16



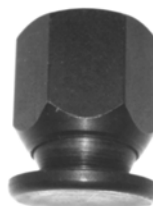
SS SOCKET LEVELING PADS
Pg H12



SIDE LEVELING SCREW ASSEMBLY Pg H15



LEVELING LUG
Pg H5



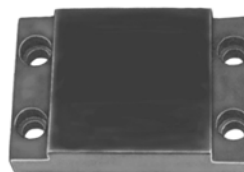
18° SWIVEL PADS
Pg H11



15° TOGGLE PADS
Pg H11



FLAT FOOT JIG SUPPORT FEET Pg H18



REST PADS Pg H5



THUMB SCREWS
Pg H4



SPHERICAL LEVELING SCREW ASSEMBLY Pg H4



LEVELING SCREW TUBE NUT ASSEMBLY Pg H14



LEVELING SCREW NUT ASSEMBLY Pg H14



STUD SWIVEL LEVELING PADS Pg H13

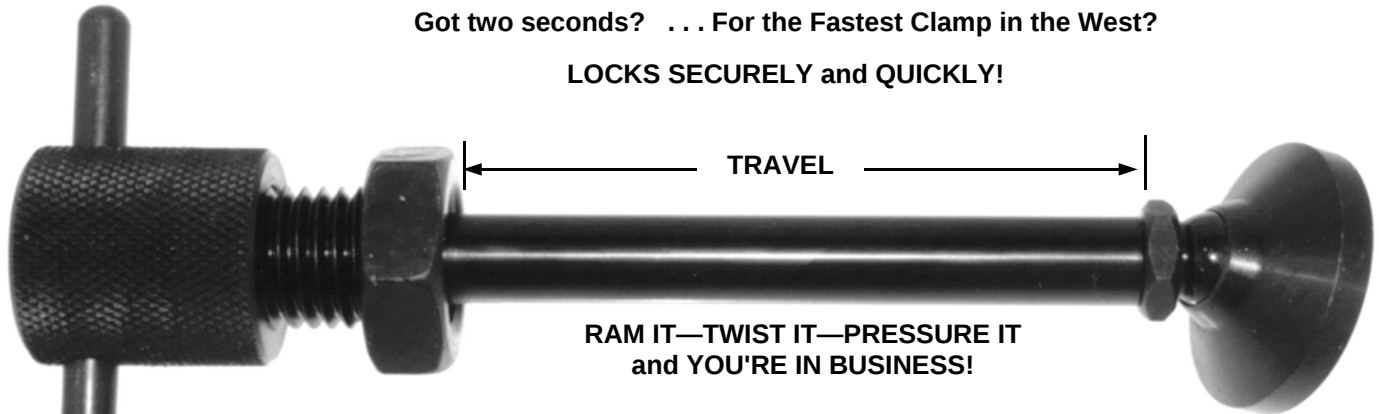
Fast-Lock Clamp Round Bar

Round Bar Fast-Lock Clamp

FAST-LOCK CLAMP — ROUND BAR

Got two seconds? . . . For the Fastest Clamp in the West?

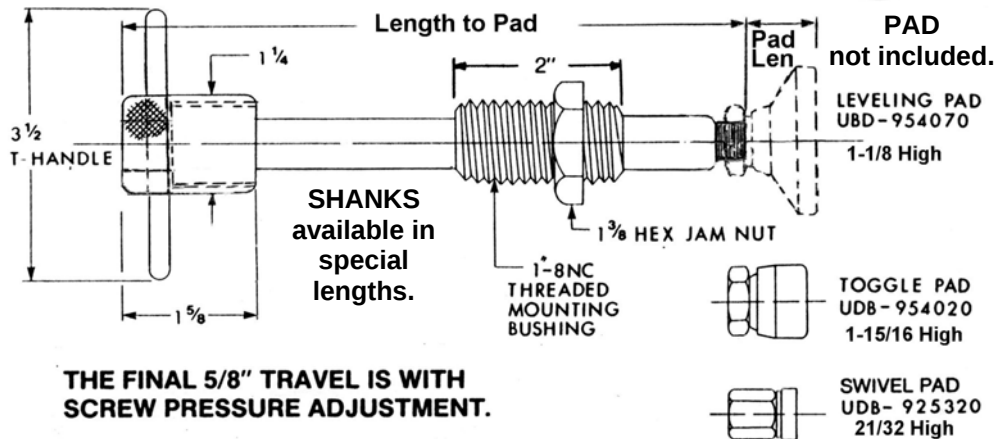
LOCKS SECURELY and QUICKLY!



RAM IT—TWIST IT—PRESSURE IT
and YOU'RE IN BUSINESS!

UNITED's Fast-Lock Pressure Screw Locking Clamp adapts to all angles, vertically and horizontally.

This positive, quick ram lock is easily installed. Apply as much pressure to the thread as required. The durable Fast-Lock is also a Fast-Release! The Jam Nut may be loosened and the threaded bushing moved for additional adjustment. The Fast-Lock is available in three lengths for three pad styles. Pads not included.



CLAMP PART NO.	SHANK	HOLDING PRESSURE	WEIGHT APPROX.	MOUNTING BUSHING	OVERALL LENGTH	TRAVEL
UDB-954045	5/8	4400	1-1/2 LBS.	1" - 8 NC	6"	2-3/4
UDB-954055	5/8	4400	1-1/2 LBS.	1" - 8 NC	8"	4-3/4
UDB-954065	5/8	4400	1-1/2 LBS.	1" - 8 NC	10"	6-3/4

UNITED FAST-LOCK FITS A VARIETY OF PADS

Purchase Pads separately.

SWIVEL PAD

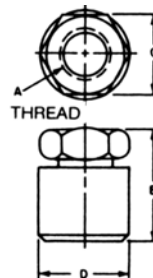


UDB-925320

TOGGLE PAD



UDB-954020



LEVELING PAD



UDB-954070

See Pages H11 and H12
for other
PAD styles and details.

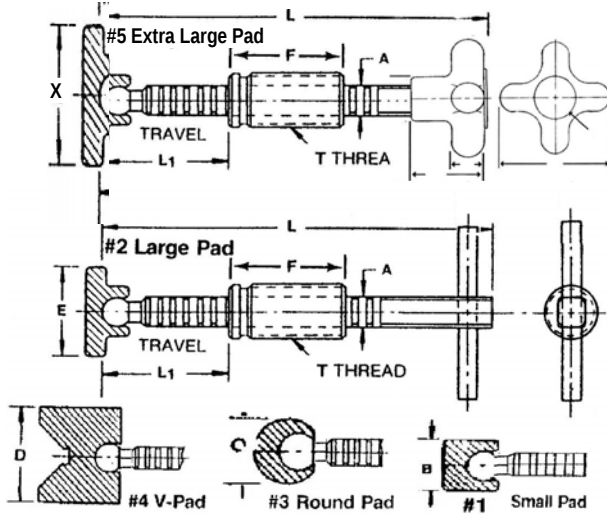
PAD PART NO.	DESCRIPTION	A THREAD	C HEX	B OVERALL LENGTH	D BASE DIA.
UDB-925320	SWIVEL PAD	1/2 - 13	3/4	21/32	11/16
UDB-954020	TOGGLE PAD	1/2 - 13	3/4	1-5/16	7/8
UDB-954070	LEVELING PAD	1/2 - 13	5/8	1-1/8	1-7/8

Fast-Lock Clamping

Fast-Lock Clamps can be opened instantly for work insertion, Ram Fast-Lock forward against work, and turn the handle—you're locked! Releasing action is equally fast. **One quarter turn locks or unlocks.** Place Fast-Lock units at the most advantageous angles. Use the types of pads suited to the contours of the items to be fastened. The problems of the hard-to-hold component are readily solved. **Fast-Lock is designed for high-production service.** They are accurately machined. Pressure bar and threaded collar are made of hardened steel, plated to resist corrosion, provide smooth working surfaces, and give maximum life.

Fast Lock Clamp Square Bar

FAST LOCK CLAMP — SQUARE BAR

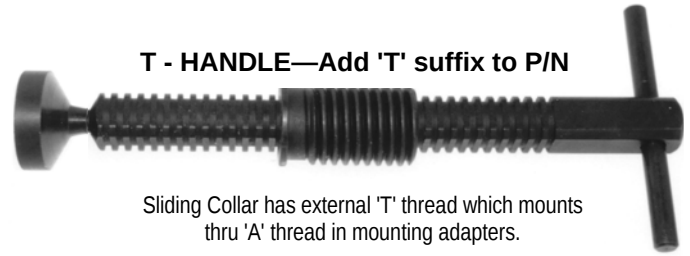


BAR KNOB HANDLE—Add 'K' suffix to P/N



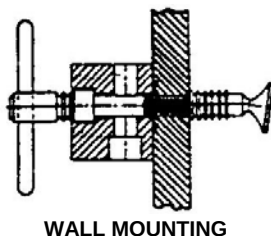
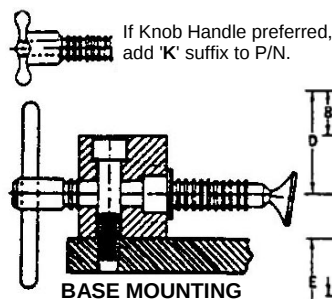
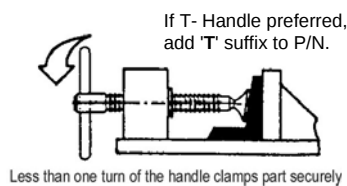
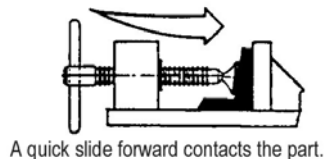
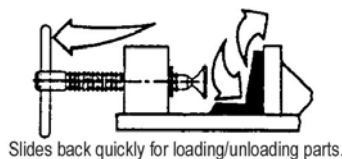
Locks inside threaded Collar Guide.
Advances in one second. Secures in two seconds.

T - HANDLE—Add 'T' suffix to P/N

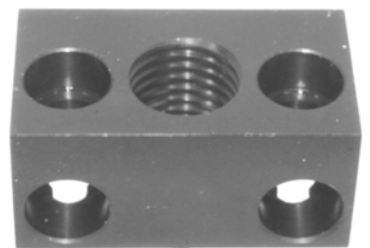
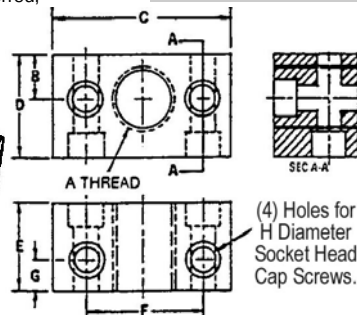


Sliding Collar has external 'T' thread which mounts thru 'A' thread in mounting adapters.

SERIES	FOOT TYPE	A SQ.	B (1) DIA	C (3) DIA	D (4) DIA	E (2) DIA	X (5) DIA	F	T NC-2	L1 TRAVEL	L LENGTH					
											4	5	6	8	10	12
STD	1	3/8	3/8				1-1/2	1-3/8	3/4 - 10	1/2" MIN. TRAVEL	UDB-954114	UDB-954115	UDB-954116			
	2					9/16					UDB-954124	UDB-954125	UDB-954126			
	3			5/16							UDB-954134	UDB-954135	UDB-954136			
	4				1"						UDB-954144	UDB-954145	UDB-954146			
										MAX TRAVEL →	1-9/16	2-9/16	3-9/16			
MED	1	1/2	13/32				1-3/4	1-11/16	7/8 - 9	9/16 MIN. TRAVEL	UDB-954215F	UDB-954216	UDB-954218	UDB-954210F	UDB-954212	
	2					3/4					UDB-954225F	UDB-954226	UDB-954228	UDB-954220F	UDB-954222	
	3			1/2							UDB-954235F	UDB-954236	UDB-954238	UDB-954230F	UDB-954232	
	4				2"						UDB-954245	UDB-954246	UDB-954248	UDB-954240	UDB-954242	
										MAX TRAVEL →	2-3/16	3-3/16	5-3/16	7-3/16	9-3/16	
HEAVY DUTY	1	5/8	1/2				2"	1-11/16	1-1/8 - 7	3/4 MIN. TRAVEL	UDB-954315	UDB-954316	UDB-954318	UDB-954310	UDB-954312	
	2					15/16					UDB-954325	UDB-954326	UDB-954328	UDB-954320	UDB-954322	
	3			5/8							UDB-954335	UDB-954336	UDB-954338	UDB-954330	UDB-954332	
	4				2"						UDB-954345	UDB-954346	UDB-954348	UDB-954340	UDB-954342	
										MAX TRAVEL →	2-3/16	3-3/16	5-3/16	7-3/16	9-3/16	



FAST LOCK MOUNTING ADAPTER



Designed for simplified application of the Fast-Lock to jigs and fixtures.

Bolted, welded or brazed into position, it makes the advantages of quick release available at any point.

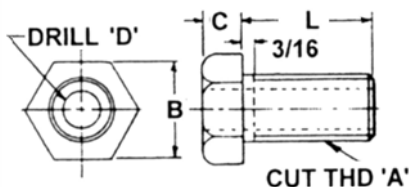
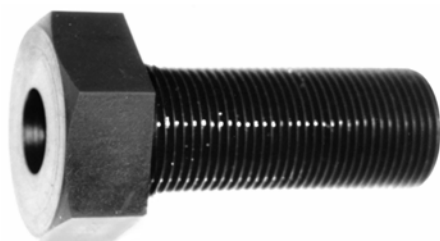
PART NO.	A THD	B	C	D	E	F	G	H DIA.
UDB-954101	3/4 - 10	13/16	2-1/8	1-3/8	1-1/4	1-3/8	7/16	5/16
UDB-954201	7/8 - 9	13/16	2-1/2	1-1/2	1-1/4	1-5/8	7/16	3/8
UDB-954301	1-1/8 - 7	1	3-1/8	1-3/4	1-1/2	2-1/8	1/2	1/2

Hex Head & Spherical Leveling Screws

Precision Leveling Accessories

HEX HEAD LEVELING SCREWS

Drilled to reduce weight. Easy to adjust.



Conforms to UT-7202

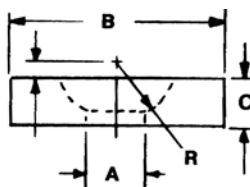
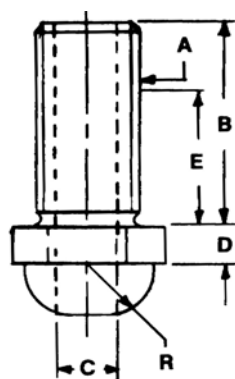
HEAT TREATED — BLACK OXIDE FINISH

HEX SCREW PART NO.	A THD NF-2	B	C	D +.015/- .000	L
UDB-720251	5/8-18	15/16	3/8	3/8	1
UDB-720252	5/8-18	15/16	3/8	3/8	2
UDB-720261	3/4 - 16	1-1/8	15/32	3/8	1
UDB-720262	3/4 - 16	1-1/8	15/32	3/8	2
UDB-720263	3/4 - 16	1-1/8	15/32	3/8	3
UDB-720281	1 - 14	1-1/2	19/32	5/8	1
UDB-720282	1 - 14	1-1/2	19/32	5/8	2
UDB-720283	1 - 14	1-1/2	19/32	5/8	3
UDB-720302	1-1/4 - 12	1-7/8	3/4	3/4	2
UDB-720303	1-1/4 - 12	1-7/8	3/4	3/4	3

SPHERICAL LEVELING SCREW ASSEMBLY

SPHERICAL LEVELING SCREW

ADD 'S' TO PART NO. FOR SET WITH SOCKET



SPHERICAL LEVELING SCREW SOCKET

SPH. SCREW PART NO.	A THD CLASS 2	B	C	D	E*	R	SOCKET NUMBER
UDB-721001	5/8-18	1-1/2	3/8	3/8	1	3/8	UDB-721002
UDB-721003	7/8 - 14	1	1/2	3/8	5/8	9/16	UDB-721004
UDB-721005	7/8 - 14	2	1/2	3/8	1-1/4	9/16	UDB-721004
UDB-721007	7/8 - 14	3	1/2	3/8	2	9/16	UDB-721004
UDB-721009	1 - 14	1	5/8	3/8	5/8	5/8	UDB-721006
UDB-721011	1 - 14	2	5/8	3/8	1-1/4	5/8	UDB-721006
UDB-721013	1 - 14	3	21/32	3/8	2	5/8	UDB-721006
UDB-721101	1 - 14	4	21/32	3/8	2-1/2	5/8	UDB-721006
UDB-721103	1 - 14	6	21/32	3/8	4	5/8	UDB-721006
UDB-721105	1-1/4 - 12	4	21/32	1/2	2-1/2	7/8	UDB-721100
UDB-721107	1-1/4 - 12	6	21/32	1/2	4	7/8	UDB-721100
UDB-721109	1-1/4 - 12	8	21/32	1/2	5	7/8	UDB-721100
UDB-721111	1-1/2 - 12	4	21/32	3/4	2-1/2	1	UDB-721102
UDB-721113	1-1/2 - 12	6	21/32	3/4	4	1	UDB-721102
UDB-721115	1-1/2 - 12	8	21/32	3/4	5	1	UDB-721102

* E = MAXIMUM SAFE PROTRUSION

SOCKET PART NO.	A	B	C	R
UDB-721002	13/32	1-1/2	3/8	3/8
UDB-721004	17/32	2	1/2	9/16
UDB-721006	21/32	2-1/4	1/2	5/8
UDB-721100	21/32	2-3/4	3/4	7/8
UDB-721102	21/32	3-1/4	1	1

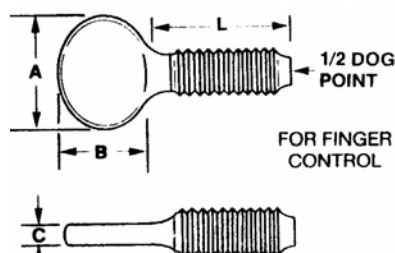
The Spherical Leveling Screw and Socket are generally used in Sets.

Conforms to UT-7201

TOUGH — DURABLE — HEAT TREATED — BLACK OXIDE FINISH

THUMB SCREWS

MALLEABLE STEEL — COLD HEADED — ZINC PLATED



Conforms to UT-7117

THM. SCREW PART NO.	THD	A	B	C	L
UDB-717316	10 - 24	9/16	3/8	3/32	1
UDB-717324	10 - 24	9/16	3/8	3/32	1-1/2
UDB-717416	1/4 - 20	13/16	1/2	9/64	1
UDB-717424	1/4 - 20	13/16	1/2	9/64	1-1/2
UDB-717432	1/4 - 20	13/16	1/2	9/64	2
UDB-717440	1/4 - 20	13/16	1/2	9/64	2-1/2
UDB-717448	1/4 - 20	13/16	1/2	3/32	3
UDB-717516	5/16 - 18	15/16	5/8	5/32	1
UDB-717524	5/16 - 18	15/16	5/8	5/32	1-1/2
UDB-717548	5/16 - 18	15/16	5/8	5/32	3
UDB-717616	3/8 - 16	1-1/16	11/16	13/64	1
UDB-717648	3/8 - 16	1-1/16	11/16	13/64	3

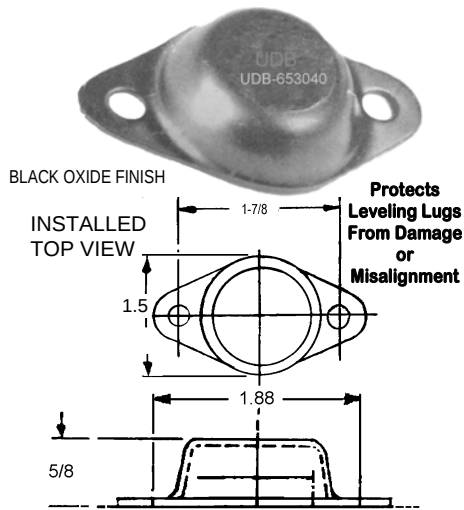
We Believe Quality Means the Same to You As It Does to UNITED.

Leveling Accessories

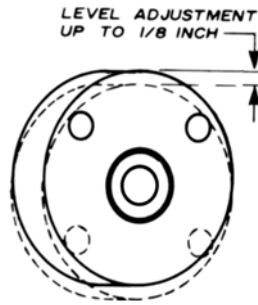
**Eccentric Leveling Lugs,
Jig Legs & Rest Pads**

LEVELING LUG COVER

UDB-653040

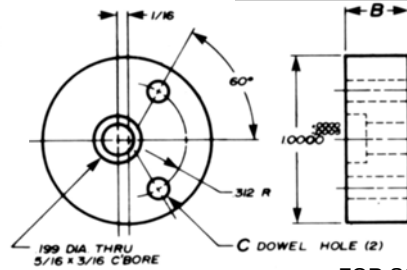


REF STD-132B, T-53029, CTS-640B, UT-7210-2



CONFORMS TO UT-7210

To use *UNITED'S* Eccentric Leveling Lugs, simply rotate until the desired level is secured then drill and dowel in



EXCENTRIC LEVELING LUG

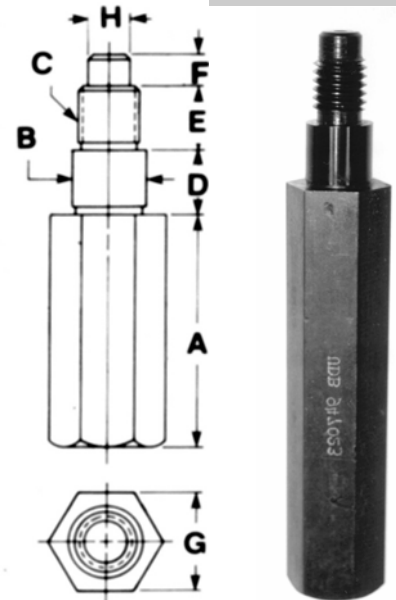
FOR SOCKET HEAD CAP SCREW

LEVELING LUGS PART NO.	B	C DIAMETER	MATERIAL CONDITION
UDB-653029	1/4	#31 (.1200)	SOFT
UDB-653031	1/4	1/8 REAMED	HARD
UDB-653033	3/8	#31 (.1200)	SOFT
UDB-653035	3/8	1/8 REAMED	HARD

These Legs raise the jig, preventing it from resting on chips or dirt that may accumulate on the table.

Heat Treated Steel — Black Oxide Finish

JIG LEGS PART NO.	A	B +.000 -.001	C THREAD	D	E	F	G	H
UDB-947020	1	.625	1/2-13	9/16	9/16	1/4	7/8	13/32
UDB-947021	2							
UDB-947022	3							
UDB-947023	4							
UDB-947024	6							
UDB-947025	2	.750	5/8-11	11/16	11/16	5/16	1-1/16	1/2
UDB-947030	3							
UDB-947035	4							
UDB-947040	6							
UDB-947045	2	1.000	3/4-10	7/8	13/16	5/16	1-1/4	5/8
UDB-947050	3							
UDB-947055	4							
UDB-947060	8							

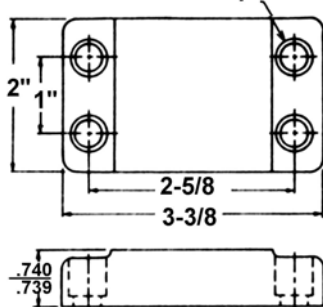


JIG LEGS

REST PADS REPLACE REST BUTTONS. Rest Pads support large work pieces in heavy duty applications where rest buttons are inadequate. *UNITED* Rest Pads are ready to install.

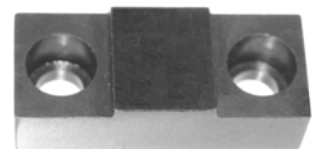
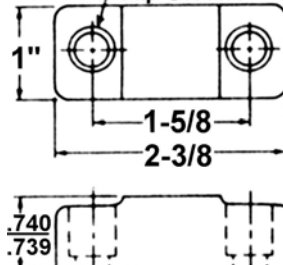
REST PADS

3/8 Socket Head Cap Screw



**LARGE PAD
UDB-546560**

3/8 Socket Head
Cap Screws



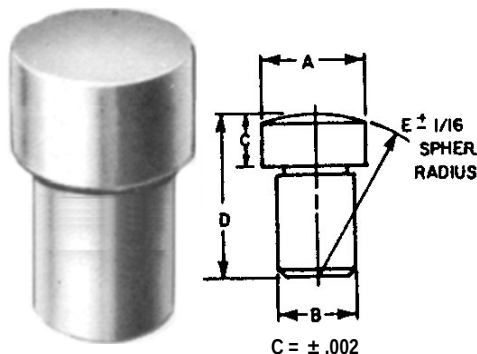
**SMALL PAD
UDB-546550**

Precision Ground
Heat Treated
Black Oxide

Spherical Buttons and Jig Feet

Spherical Buttons and Button Jig Feet

SPHERICAL RADIUS LOCATOR BUTTONS



LOCATING FOR FIXTURES

SPHERICAL RADIUS LOCATOR BUTTONS

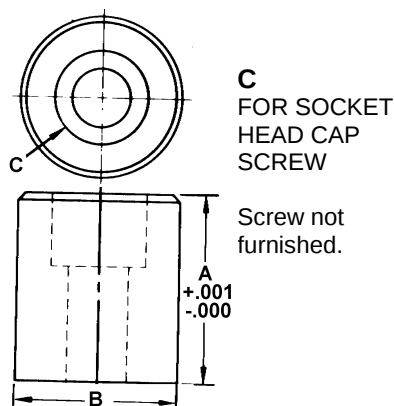
provide

single point contact for irregular surfaces and
are manufactured for
Press Fit Installation.

HEAT TREATED STEEL — BLACK OXIDE FINISH

PART NO.	A	B +.0000 -.0005	C ± .002	D	E
UDB-946525	5/16	.1890	1/8	3/8	1/2
UDB-946527	3/8	.2515	3/16	1/2	5/8
UDB-946529	1/2	.3765	3/16	9/16	3/4
UDB-946531	1/2	.3765	1/4	5/8	3/4
UDB-946533	1/2	.3765	3/8	3/4	3/4
UDB-946535	1/2	.3765	1/2	7/8	3/4

BUTTON JIG FEET



T.C.M.A. STANDARD

HEAT TREATED STEEL — BLACK OXIDE FINISH

BUTTON JIG FEET

are counterbored for mounting
with socket head screws.

Precision ground lengths for accurate leveling of the jig

PART NO.	A +.001 -.000	B	C
UDB-946005	.250	7/16	#6 FLAT HEAD
UDB-946010	.375		
UDB-946015	.500		
UDB-946020	.125	1/2	#8 FLAT HEAD
UDB-946022	.375	1/2	#10 SOCKET HEAD CAP SCREW
UDB-946023	.500		
UDB-946025	.250		
UDB-946030	.375	5/8	1/4 SOCKET HEAD CAP SCREW
UDB-946035	.500		
UDB-946040	.625		
UDB-946045	.750		
UDB-946050	.875		
UDB-946055	1.000		
UDB-946075	.375	7/8	1/4 FLAT HEAD
UDB-946080	.500	7/8	5/16 SOCKET HEAD CAP SCREW
UDB-946085	.625		
UDB-946090	.750		
UDB-946095	.875		
UDB-946100	1.000		
UDB-946105	1.125		
UDB-946125	.375	1-1/4	5/16 FLAT HEAD
UDB-946130	.500	1-1/4	3/8 SOCKET HEAD CAP SCREW
UDB-946135	.750		
UDB-946140	.875		
UDB-946145	1.000		
UDB-946150	1.500		
UDB-946155	2.000		
UDB-946200	.375	1-5/8	3/8 FLAT HEAD
UDB-946220	1.250	1-5/8	1/2 SOCKET HEAD CAP SCREW
UDB-946225	1.750		
UDB-946230	2.250		

Lock Screw Rest Buttons

**Rest Buttons
Lock Screw Type**

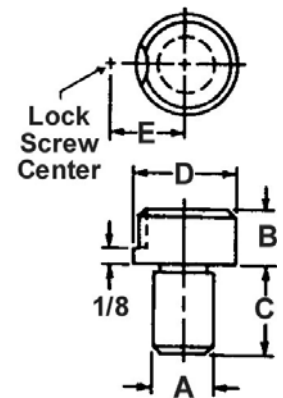
LOCK SCREW REST BUTTONS

Rest Buttons support the work in a jig or fixture
to prevent the work piece from resting on the work table.

NOTE: 'B' dimension in reference to head thickness has a $^{+.001}_{-.000}$

tolerance when ground, and when unground the tolerance is $^{+.005}_{+.015}$.

UNGROUND PART NO. $^{+.005}_{+.015}$	GROUND PART NO. $^{+.001}_{-.000}$	A SHANK DIA.	B HEAD THICKNESS	C SHANK LENGTH	D HEAD DIA.	CENTER of LOCK- SCREW (REF. E)	USE with RETAINER PART NO.	USE LOCK SCREW PART NO.
UDB-934415 UDB-934419 UDB-934423 UDB-934427 UDB-934431 UDB-934435 UDB-934439 UDB-934443 UDB-934447 UDB-934451 UDB-934455 UDB-934459 UDB-934463	UDB-934416 UDB-934420 UDB-934424 UDB-934428 UDB-934432 UDB-934436 UDB-934440 UDB-934444 UDB-934448 UDB-934452 UDB-934456 UDB-934460 UDB-934464	5/16	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	1/2	.625	33/64	L-32-8 or HL-32-8	LS-1
UDB-934515 UDB-934519 UDB-934523 UDB-934527 UDB-934531 UDB-934535 UDB-934539 UDB-934543 UDB-934547 UDB-934551 UDB-934555 UDB-934559 UDB-934563	UDB-934516 UDB-934520 UDB-934524 UDB-934528 UDB-934532 UDB-934536 UDB-934540 UDB-934544 UDB-934548 UDB-934552 UDB-934556 UDB-934560 UDB-934564	1/2	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	3/4	.875	41/64	L-48-12 or HL-48-12	LS-1
UDB-934615 UDB-934619 UDB-934623 UDB-934627 UDB-934631 UDB-934635 UDB-934639 UDB-934643 UDB-934647 UDB-934651 UDB-934655 UDB-934659 UDB-934663	UDB-934616 UDB-934620 UDB-934624 UDB-934628 UDB-934632 UDB-934636 UDB-934640 UDB-934644 UDB-934648 UDB-934652 UDB-934656 UDB-934660 UDB-934664	3/4	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	1"	1.125	49/64	L-64-16 or HL-64-16	LS-1
UDB-934715 UDB-934719 UDB-934723 UDB-934727 UDB-934731 UDB-934735 UDB-934739 UDB-934743 UDB-934747 UDB-934751 UDB-934755 UDB-934759 UDB-934763	UDB-934716 UDB-934720 UDB-934724 UDB-934728 UDB-934732 UDB-934736 UDB-934740 UDB-934744 UDB-934748 UDB-934752 UDB-934756 UDB-934760 UDB-934764	1"	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	1-3/8	1.500	61/64	L-88-22 or HL-88-22	LS-1



Rest Buttons
prevent the
accumulation
of chips or dirt.

NOTE: Manufactured
as required from
Unground.

HEAT TREATED STEEL

BLACK OXIDE FINISH

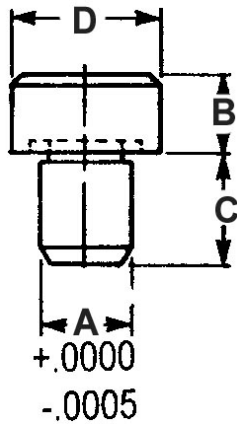
Press Fit Rest Buttons

Support Rest Buttons Press Fit

PRESS FIT REST BUTTONS



Conforms to UT-7166



HEAT TREATED
STEEL

BLACK OXIDE FINISH

NOTE: 'B' dimension in reference

to head thickness has a $\begin{matrix} +.001 \\ -.000 \end{matrix}$

tolerance when ground, and when

unground the tolerance is $\begin{matrix} +.005 \\ +.015. \end{matrix}$

Rest Buttons support the work
in a jig or fixture
to prevent the work piece
from resting on the work table
and to prevent the accumulation
of chips or dirt.

* T.C.M.A. STANDARD

PART NO. HEAD UNGROUND $\begin{matrix} +.005 \\ +.015 \end{matrix}$	PART NO. HEAD GROUND $\begin{matrix} +.001 \\ -.000 \end{matrix}$	A SHANK DIAMETER $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	B HEAD THICKNESS $\begin{matrix} +.001 \\ -.000 \end{matrix}$	C SHANK LENGTH	D HEAD DIAMETER
UDB-947400 UDB-947405 UDB-947410	UDB-946400 * UDB-946405 * UDB-946410 *	.1885	1/4 3/8 1/2	3/8	.375
UDB-947411 UDB-947415 UDB-947420 UDB-947425	UDB-946411 UDB-946415 * UDB-946420 * UDB-946425 *	.251	1/8 1/4 3/8 1/2	1/2	.500
UDB-947430 UDB-947431 UDB-947435 UDB-947436 UDB-947440 UDB-947441 UDB-947442 UDB-947443 UDB-947444	UDB-946430 UDB-946431 UDB-946435 UDB-946436 UDB-946440 UDB-946441 UDB-946442 UDB-946443 UDB-946444	.3135	1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1"	1/2	.625
UDB-947445 UDB-947450 UDB-947455 UDB-947460 UDB-947461	UDB-946445 * UDB-946450 * UDB-946455 * UDB-946460 * UDB-946461	.376	1/4 3/8 1/2 5/8 3/4	5/8	.625
UDB-947463 UDB-947464 UDB-947465 UDB-947466 UDB-947470 UDB-947471 UDB-947475 UDB-947476 UDB-947480 UDB-947481 UDB-947482 UDB-947483 UDB-947484	UDB-946463 UDB-946464 UDB-946465 * UDB-946466 UDB-946470 * UDB-946471 UDB-946475 * UDB-946476 UDB-946480 UDB-946481 UDB-946482 UDB-946483 UDB-946484	.501	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	5/8	.875
UDB-947485 UDB-947490 UDB-947495 UDB-947500	UDB-946485 * UDB-946490 * UDB-946495 UDB-946500 *	.626	3/8 1/2 5/8 3/4	3/4	1.000
UDB-947502 UDB-947504 UDB-947506 UDB-947508 UDB-947510 UDB-947512 UDB-947515 UDB-947516 UDB-947517 UDB-947518 UDB-947519 UDB-947520 UDB-947521	UDB-946502 UDB-946504 UDB-946506 UDB-946508 UDB-946510 * UDB-946512 UDB-946515 * UDB-946516 UDB-946517 UDB-946518 UDB-946519 UDB-946520 UDB-946521	.7515	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	7/8	1.250
UDB-947536 UDB-947537 UDB-947538 UDB-947539 UDB-947540 UDB-947541 UDB-947542 UDB-947543 UDB-947544 UDB-947545 UDB-947546 UDB-947547 UDB-947548	UDB-946536 UDB-946537 UDB-946538 UDB-946539 UDB-946540 UDB-946541 UDB-946542 UDB-946543 UDB-946544 UDB-946545 UDB-946546 UDB-946547 UDB-946548	1.0015	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1"	1-3/8	1.500

Hex Rest Buttons, Threaded & Slip Fit

**Hex Rest Buttons
Threaded & Slip Fit**

THREADED HEX REST BUTTONS

Rest Buttons support the work in a jig or fixture
to prevent the work piece from resting on the work table.

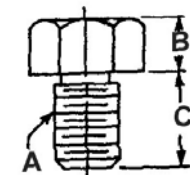
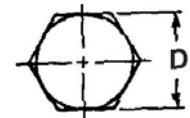
PART NO.	A THREAD	B +.005 +.015	C	D
UDB-922174 * UDB-922175 * UDB-922176 * UDB-922178 UDB-922179	1/4-20	1/4 3/8 1/2 3/4 1"	3/8	3/8
UDB-922180 * UDB-922181 * UDB-922182 * UDB-922184 UDB-922185	3/8-16	1/4 3/8 1/2 3/4 1"	1/2	1/2
UDB-922186 UDB-922187 * UDB-922188 * UDB-922189 * UDB-922190 * UDB-922191	1/2-13	1/4 3/8 1/2 5/8 3/4 1"	5/8	5/8

* T.C.M.A. STANDARD

HEAT TREATED STEEL

BLACK OXIDE FINISH

Manufactured
from hex stock
for easy
insertion and
removal.



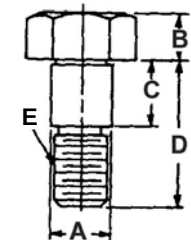
HEX REST BUTTONS
PREVENT THE ACCUMULATION OF CHIPS OR DIRT.

THREADED SLIP FIT HEX REST BUTTONS

Rest Buttons support the work in a jig or fixture
to prevent the work piece from resting on the work table.

HEAT TREATED STEEL — BLACK OXIDE FINISH

PART NO.	A +.0000 -.0002	B +.005 +.015	C	D	E THREAD SIZE	F	USE with THREADED RETAINER PART NO.
UDB-934212 UDB-934216 UDB-934220 UDB-934224 UDB-934228 UDB-934232 UDB-934236 UDB-934240 UDB-934244 UDB-934248	9/16	3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4	5/8	1-5/16	1/2-20	7/8	(SEE PAGE D30.) UDB-622273 or UDB-622272
UDB-934316 UDB-934320 UDB-934324 UDB-934328 UDB-934332 UDB-934336 UDB-934340 UDB-934344 UDB-934348	7/8	1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4	1"	1-3/4	3/4-16	1-1/4	UDB-622275 or UDB-622274

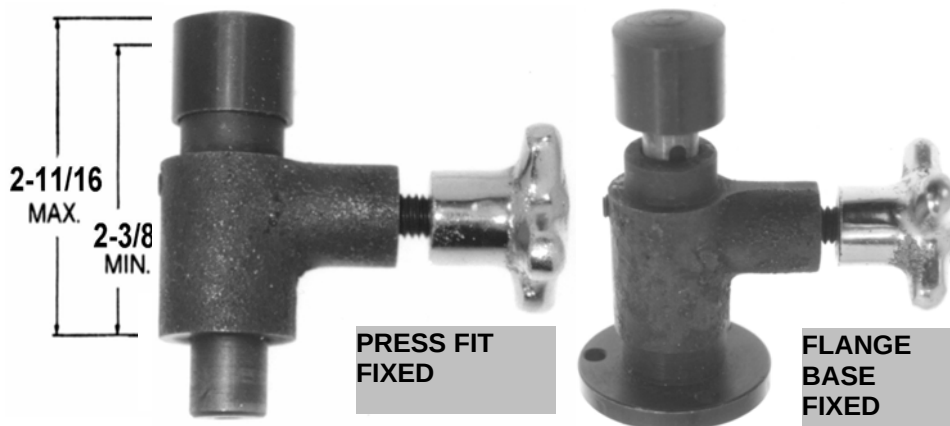


THE GROUND O.D. 'A'
DIMENSION IS SLIP FIT TO
BUSHING I.D. DIMENSION

Spring Jack Locks

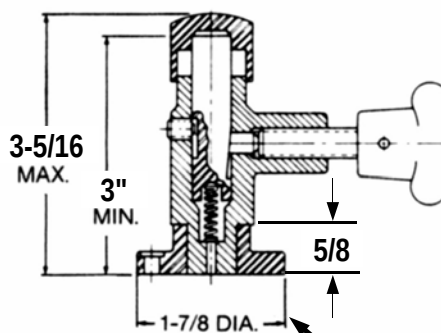
Spring Jack Locks Fixed and Adjustable

SPRING JACK LOCKS — FIXED SPRING PRESSURE



Spring pressured cap seeks its own level within clamping range.

Turn knob quickly. You are locked and machining!



MOUNTING HOLES USE #10 SOCKET HEAD CAP SCREWS

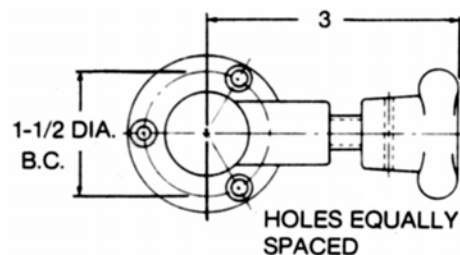
FIXED	UNITED PART NO.	MIN	MAX
PRESS FIT	UDB-921440	2-3/8	2-11/16
FLANGE BASE	UDB-921425	3"	3-5/16

CAST IRON and STEEL HOUSINGS

HEAT TREATED

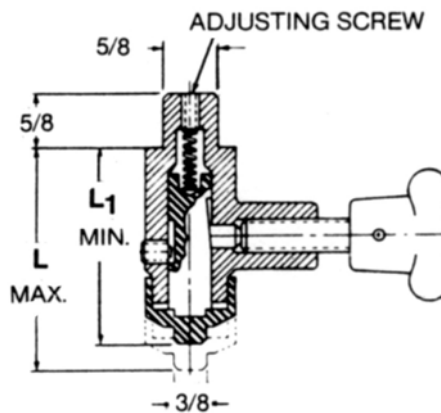
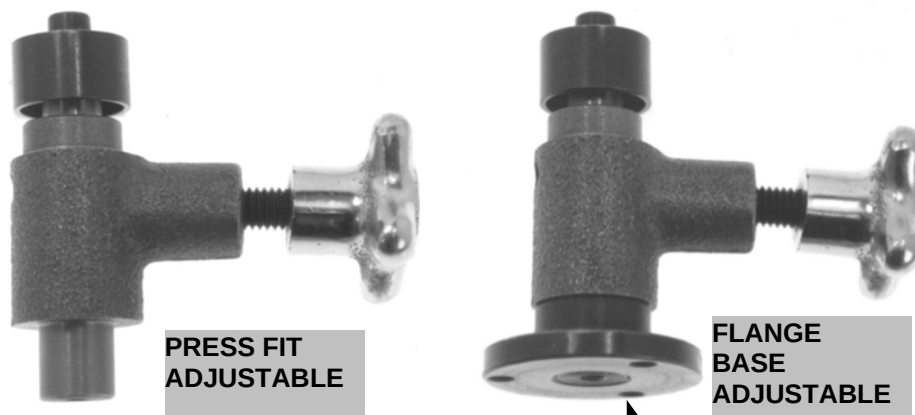
GROUND AND CAD PLATED

UNITED Spring Jack Locks provide an adjustable rest pad which compensates for part irregularities. The spring loaded plunger is locked into position by twisting the hand knob. The cover prevents dirt, chips and coolants from impairing working mechanism.



SPRING JACK LOCKS — ADJUSTABLE WITH SPRING PRESSURE

STRONG STEEL HOUSING WITH PRECISION LOCKING MECHANISM INSURES SMOOTH FAST OPERATION.



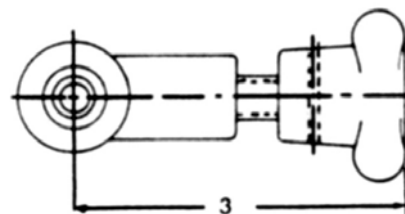
MOUNTING HOLES USE #10 SOCKET HEAD CAP SCREWS

ADJUSTABLE	UNITED PART NO.	L ₁ MIN	L ₂ MAX
PRESS FIT	UDB-921445	2-1/16	2-3/8
PRESS FIT	UDB-921450	2-1/4	2-9/16
FLANGE BASE	UDB-921430	2-1/16	2-3/8
FLANGE BASE	UDB-921435	2-1/4	2-9/16

CAST IRON and STEEL HOUSINGS

HEAT TREATED

GROUND AND CAD-PLATED



Swivel, Nut & Toggle Pads

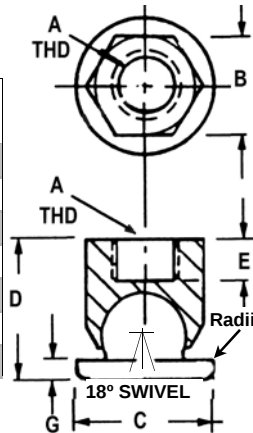
STEEL — ALUMINUM — DELRIN®

Swivel and
Leveling Pads

Swivel Pads contact work surfaces with evenly balanced 18° swivel.

SWIVEL PAD PART NO.	A THD	B HEX	C PAD	D HT.	E THD DEPTH	G PAD HT.
UDB-925334	1/4-20	1/2	5/8	43/64	15/64	7/64
UDB-925335	5/16-18	9/16	3/4	3/4	17/64	7/64
UDB-925336	3/8-16	5/8	7/8	29/32	19/64	1/8
UDB-925338	1/2-13	3/4	1"	1-3/64	5/16	5/32
UDB-925340	5/8-11	7/8	1-1/8	1-1/4	23/64	5/32
UDB-925342	3/4-10	1-1/16	1-1/4	1-3/8	23/64	5/32
UDB-925346	1-8	1-3/8	1-5/8	1-53/64	23/64	13/64

Carburized and Hardened Steel — Black Oxide finish



18° SWIVEL PADS

Clamps parts
solidly on
uneven or off-
angle
surfaces.

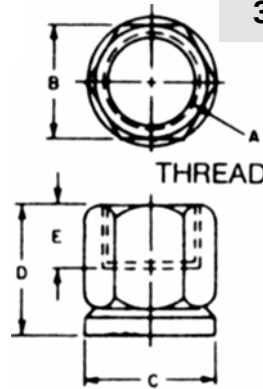
Clamp force
distributed
evenly in all
directions.



Swivel Nuts prevent marring work piece. Hex Nut turns freely while Pad remains stationary.

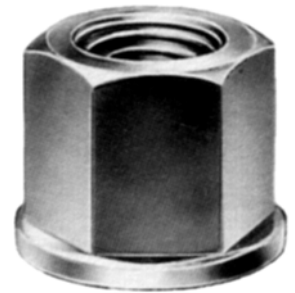
SWIVEL NUT	A	B	C	D	E
UDB-925300	10-24	1/4	5/16	5/16	13/64
UDB-925305	1/4-20	5/16	3/8	13/32	3/16
UDB-925310	5/16-18	3/8	7/16	15/32	1/4
UDB-925315	3/8-16	7/16	1/2	17/32	17/64
UDB-925320	1/2-13	5/8	11/16	21/32	3/8
UDB-925325	5/8-11	3/4	7/8	27/32	7/16
UDB-925330	3/4-10	7/8	1"	1"	1/2

Hardened Steel — Black Oxide finish



360° FREE TURN SWIVEL NUTS

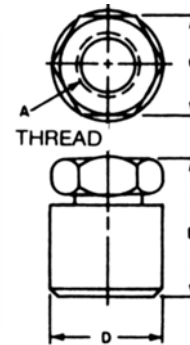
Swivel Nuts'
Hardened
Black Oxide
shoe
assures rigid
clamping
without
moving the
part.



Aluminum and Steel Toggle Pads provide self-aligning and leveling at 15° angle movement with applied force 7-1/2° from center.

STEEL PAD	ALUM. PAD	A	B	C	D
UDB-954005	UDB-954007	1/4-20	5/8	1/2	9/16
UDB-954010	UDB-954012	5/16-18	11/16	9/16	11/16
UDB-954015	UDB-954017	3/8-16	3/4	5/8	3/4
UDB-954020	UDB-954022	1/2-13	15/16	3/4	7/8
UDB-954025	UDB-954027	5/8-11	1"	7/8	1"
UDB-954030	UDB-954032	3/4-10	1-1/4	1-1/16	1-1/4
UDB-954035	UDB-954037	1-8	1-13/16	1-1/16	1-1/2

T.C.M.A. Standard — Black Oxide finish on Steel Pad

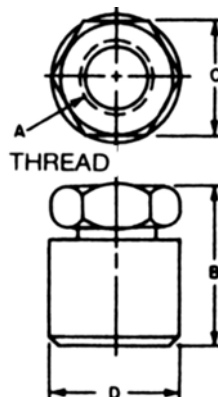


ALUMINUM — 15° TOGGLE PADS — STEEL

Delrin® Toggle Pads avoid damage to work piece and provide self-aligning and leveling at 15° angle movement.

DELTRIN PAD	A	B	C	D
UDB-954005D	1/4-20	5/8	1/2	9/16
UDB-954010D	5/16-18	11/16	9/16	11/16
UDB-954015D	3/8-16	3/4	5/8	3/4
UDB-954020D	1/2-13	15/16	3/4	7/8
UDB-954025D	5/8-11	1"	7/8	1"
UDB-954030D	3/4-10	1-1/4	1-1/16	1-1/4
UDB-954035D	1-8	1-13/16	1-1/16	1-1/2

T.C.M.A. Standard — Black Oxide finish on Steel Hex Swivel Ball



15° TOGGLE PADS — DELRIN®

Delrin® Pads

- Eliminate slippage
- Seat automatically
- Avoid surface damage



**Socket Pads
UDB-954060 Series**

Socket Leveling Pads

STEEL - STAINLESS - ELASTOMER - DELRIN
15° Swivel — Any Direction



**STEEL
LEVELING PAD**

**SOCKET STEEL LEVELING
PAD**

ZINC PLATED WITH GOLD CHROMATE FINISH. BLACK OXIDE AND SILVER FINISHES AVAILABLE WITH SLIGHT WORK TIME.

SPECIFY **B** FOR BLACK OR **G** FOR GOLD CHROMATE FINISH.

FINISHES PREVENT RUST. HEAVY DUTY LARGE DIAMETER PAD.



**STAINLESS STEEL
LEVELING PAD**

**STAINLESS STEEL
SOCKETED LEVELING
PAD**

ALL STAINLESS 300.

STRONG PAD FOR MAXIMUM PROTECTION AGAINST RUST AND CORROSION.



**ELASTOMER
LEVELING PAD**

**STEEL SOCKET LEVELING
WITH ELASTOMER PAD**

1/8 NEOPRENE ELASTOMER BONDED PAD FOR NON-SKID SUPPORT.

ZINC GOLD CHROMATE FINISH. ELASTOMER PROTECTS FLOOR SURFACE FINISH.

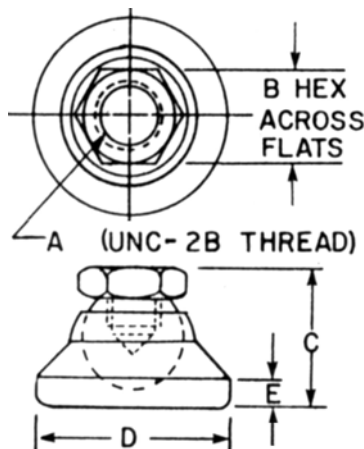


**DELRIN®
LEVELING PAD**

**STEEL SOCKET LEVELING
WITH DELRIN PAD**

DELRIN® LEVELING PAD HAS STEEL SOCKET. ZINC PLATED GOLD CHROMATE FINISH ON SOCKET.

DELRIN BASE PROVIDES PROTECTION FROM FLOOR AND SURFACE FINISHES. HAS HIGH RESISTANCE TO IMPACTS, MOISTURE, AND SOLVENTS. RESISTS HEAT UP TO 190° F.



**UNITED'S FOUR STYLES of LEVELING PADS—
STEEL, STAINLESS 300, STEEL with ELASTOMER PAD and
DELRIN BASE with STEEL SOCKET
—ALL SWIVEL 15° OFF CENTERLINE.**

**ALL FOUR STYLES ADJUST to UNEVEN or LEVEL SURFACES
of MACHINES, BENCHES, RACKS and EQUIPMENT.**

HARDENED BALLS PREVENT GALLING of SOCKETS.

UNITED LEVELING PAD PART NO.s by STYLE				DIMENSIONS					MAX LOAD RATINGS by STYLE			
STEEL	STAINLESS	ELASTOMER	DELRIN®	A	B	C	D	E	STEEL	SS	ELASTOMER	DELRIN
UDB-954060	UDB-954060SS	UDB-954060E	UDB-954060D	1/4-20	1/2	1"	1"	5/32	1100	1100	800	200
UDB-954063	UDB-954063SS	UDB-954063E	UDB-954063D	3/8-16	5/8	7/8	1-1/4	3/16	3750	3750	2800	300
UDB-954070	UDB-954070SS	UDB-954070E	UDB-954070D	1/2-13	3/4	1-1/8	1-7/8	1/4	5000	5000	3750	700
UDB-954075	UDB-954075SS	UDB-954075E	UDB-954075D	5/8-11	7/8	1-1/4	2-1/2	5/16	6000	6000	4500	1200
UDB-954080	UDB-954080SS	UDB-954080E	UDB-954080D	3/4-10	1-1/16	1-1/2	3"	1/2	7200	7200	5400	1800
UDB-954086	UDB-954086SS	UDB-954086E	UDB-954086D	1-8	1-1/2	2"	3-1/2	3/4	22000	22000	16400	2400
UDB-954088	UDB-954088SS	UDB-954088E	UDB-954088D	1-1/4 -7	1-7/8	2-3/4	6"	1"	42000	42000	30000	3200

Stud Swivel Leveling Pads

15° SWIVEL in STEEL - STAINLESS - ELASTOMER - DELRIN®

Stud Swivel Pads
UDB-954082 Series

STEEL STUD SWIVEL LEVELING PAD

ZINC PLATED WITH GOLD CHROMATE FINISH. BLACK OXIDE AND SILVER FINISHES ARE OPTIONAL AND MAY REQUIRE MORE TIME.

SPECIFY **B** FOR BLACK OR **G** FOR GOLD CHROMATE FINISH.

FINISHES PREVENT RUST.
HEAVY DUTY LARGE DIAMETER PAD.



STEEL STUD SWIVEL PAD

STAINLESS STEEL STUD SWIVEL LEVELING PAD

ALL STAINLESS 300.

DURABLE PAD FOR MAXIMUM PROTECTION AGAINST RUST AND CORROSION.



STAINLESS STEEL STUD SWIVEL PAD

STEEL STUD SWIVEL LEVELING WITH ELASTOMER PAD

1/8 NEOPRENE ELASTOMER BONDED PAD FOR NON-SKID SUPPORT.

ZINC GOLD CHROMATE FINISH. ELASTOMER PROTECTS FLOOR SURFACE FINISH.



ELASTOMER STUD SWIVEL PAD

STEEL STUD SWIVEL LEVELING WITH DELRIN PAD

DELRIN® STUD SWIVEL LEVELING PAD HAS STEEL STUD. ZINC PLATED GOLD CHROMATE FINISH ON SOCKET.

DELRIN BASE PROVIDES PROTECTION FROM FLOOR AND SURFACE FINISHES. HIGH RESISTANCE TO IMPACTS, MOISTURE, AND SOLVENTS. RESISTS HEAT UP TO 190° F.



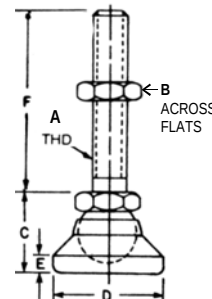
DELRIN® STUD SWIVEL PAD

UNITED'S FOUR STYLES of STUD SWIVEL LEVELING PADS—STEEL, STAINLESS 300, STEEL with ELASTOMER PAD, and DELRIN BASE with STEEL STUD—ALL SWIVEL 15° OFF CENTERLINE.

STUD and HARDENED BALL INCREASE STRENGTH of the ASSEMBLY. JAM NUTS FURNISHED with STUD TYPES.

UNITED's single piece hardened ball, nut and socket construction with our hardened stud and nut increase the strength and longevity of our assemblies. The greatest wear of Leveling Pad Assemblies occurs with the stud. **UNITED's** Leveling Pad Studs maintain this strength longer. Less-needed repair costs of the individual stud, stud swivel ball and swivel pad provide overall lower replacement costs and greater longevity than yesteryear styles.

BLACK OXIDE and EXTRA LONG STUDS AVAILABLE.



UNITED STUD SWIVEL LEVELING PAD PART NO.s by STYLE				DIMENSIONS						MAX LOAD RATINGS by STYLE			
STEEL	STAINLESS	ELASTOMER	DELRIN®	A	B	C	D	E	F	STEEL	SS	ELASTOMER	DELRIN
UDB-954082	UDB-954082SS	UDB-954082E	UDB-954082D	1/4-20	1/2	.70	1"	5/32	1"	1100	1100	800	200
UDB-954084	UDB-954084SS	UDB-954084E	UDB-954084D	3/8-16	5/8	7/8	1-1/4	3/16	1.48	3750	3750	2800	300
UDB-954085	UDB-954085SS	UDB-954085E	UDB-954085D	1/2-13	3/4	1-1/8	1-7/8	1/4	2"	5000	5000	3750	700
UDB-954090	UDB-954090SS	UDB-954090E	UDB-954090D	5/8-11	15/16	1-1/4	2-1/2	5/16	2"	6600	6600	4500	1200
UDB-954095	UDB-954095SS	UDB-954095E	UDB-954095D	3/4-10	1-1/8	1-1/2	3"	1/2	2"	10000	10000	5400	1800
UDB-954096	UDB-954096SS	UDB-954096E	UDB-954096D	1-8	1-1/2	1-7/8	4"	13/32	4-1/4	22000	22000	16400	2400
UDB-954098	UDB-954098SS	UDB-954098E	UDB-954098D	1-1/4 -7	1-7/8	2-3/4	6"	1"	4-1/4	42000	42000	30000	3200

Heavy Duty Leveling Screws

Leveling Screw Assemblies

ELEVATE — LOCATE — LEVEL

Machines - Fixtures - Jigs

Cast Bases - Equipment

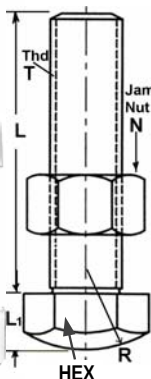
Heavy Shelving and Structures

LEVELING SCREW NUT ASSEMBLY



Type I

Leveling Screw Nut Assembly seated in a Pad. See next page.



BLACK OXIDE FINISH

Solidly constructed adjustable Radius Head Screw comes with Jam Nut. Pad is optional — See next page.
FOR JAM NUT ONLY, ADD 'N' TO BASE PART NO. EX: UDB-523135-N

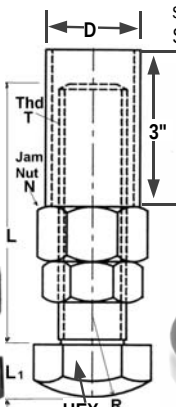
BOLT & NUT ASSEMBLY	BOLT & NUT WITH PAD ASSY	T THD	L	L ₁	R SPHERICAL RADIUS	H HEX	N JAM NUT	P PAD SEE PG. H15	MAX LD. (LBS)
UDB-523135-BN	UDB-523135-BNP	3/4-16	4"	5/8	1"	1-1/8	3/4-16	UDB-721104	10,000
UDB-523139-BN	UDB-523139-BNP	1-14	4"	13/16	1-1/2	1-1/2	1-14	UDB-721106	14,000
UDB-523131-BN	UDB-523131-BNP	1-14	5"	13/16	1-1/2	1-1/2	1-14	UDB-721106	14,000
UDB-523133-BN	UDB-523133-BNP	1-1/4-12	5"	1"	2"	1-7/8	1-1/4-12	UDB-721108	18,000
UDB-523137-BN	UDB-523137-BNP	2-12	8"	2"	4"	3"	2-12	UDB-721110	22,000

LEVELING SCREW TUBE NUT ASSEMBLY

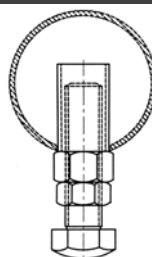


Type II

Leveling Screw Tube Nut Assembly seated in a Pad. See next page.



BLACK OXIDE FINISH



Leveling Screw Tube Nut designed to level adjust heavy duty pipes or tube structures.

1. Torch cut pipe or tube 1/16 to 1/8 inch larger than Tube Nut. See chart.
2. Weld at location, or Tube and Wrench the Nut.
FOR JAM NUT ONLY, ADD 'N' TO BASE PART NO.
EX: UDB-523135-N

BOLT & NUT TUBE ASSEMBLY	BOLT & NUT TUBE WITH PAD ASSY	T THD	L	L ₁	R SPHERICAL RADIUS	H HEX	N JAM NUT	P PAD SEE PG. H15	MAX LD.	D DIA
UDB-523135-BNT	UDB-523135-BNTP	3/4-16	4"	5/8	1"	1-1/8	3/4-16	UDB-721104	10,000	1-1/8
UDB-523139-BNT	UDB-523139-BNTP	1-14	4"	13/16	1-1/2	1-1/2	1-14	UDB-721106	14,000	1-1/2
UDB-523131-BNT	UDB-523131-BNTP	1-14	5"	13/16	1-1/2	1-1/2	1-14	UDB-721106	14,000	1-1/2
UDB-523133-BNT	UDB-523133-BNTP	1-1/4-12	5"	1"	2"	1-7/8	1-1/4-12	UDB-721108	18,000	1-3/4
UDB-523137-BNT	UDB-523137-BNTP	2-12	8"	2"	4"	3"	2-12	UDB-721110	22,000	2-3/8

LEVELING SCREW CORNER ASSEMBLY

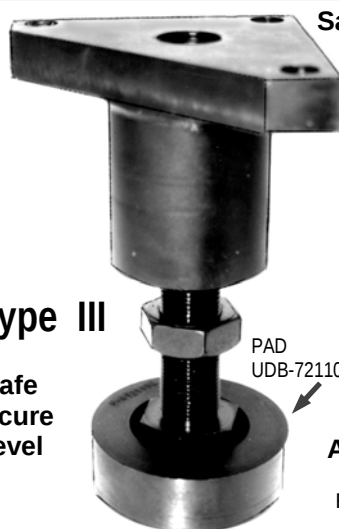
BLACK OXIDE FINISH



Type III

Safe
Secure
Level

UDB-523203-BN



UDB-523203-BNP

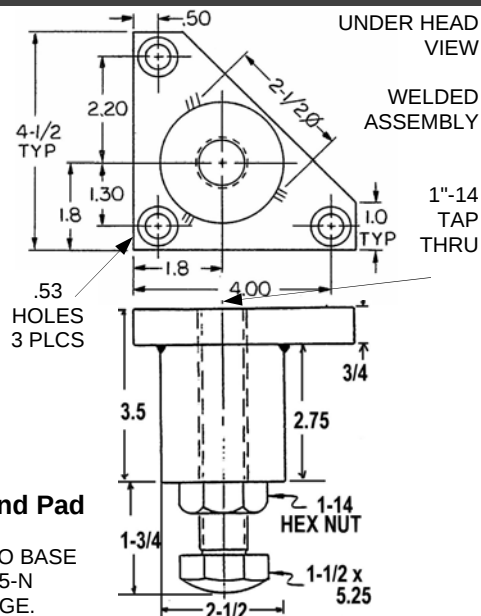
Safe - Secure - Level!

**HEAVY DUTY
CORNER LEVELING
ASSEMBLY
1 - 14 HEX**



Assembly with Bolt Nut and Pad

FOR JAM NUT ONLY, ADD 'N' TO BASE PART NO. EX: UDB-523135-N
SEE BOTTOM OF NEXT PAGE.



Side Leveling Screw Heavy Duty Assembly

Heavy Duty Side
Leveling Assemblies

**IDEAL
HEAVY DUTY PADS**
for Equipment,
Casting Fixtures,
Machine Tools.

Used in minimal
Sets of 4
for Balanced Loads.

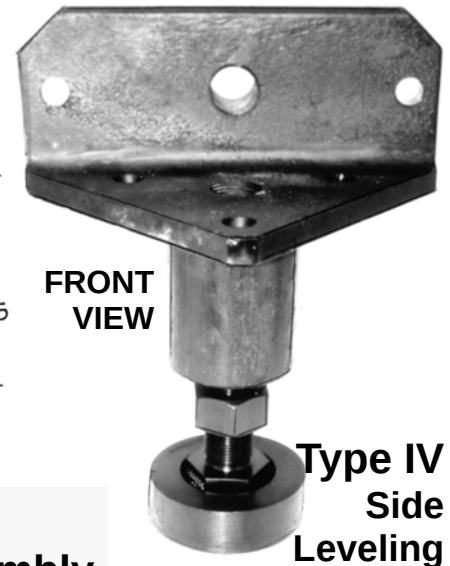
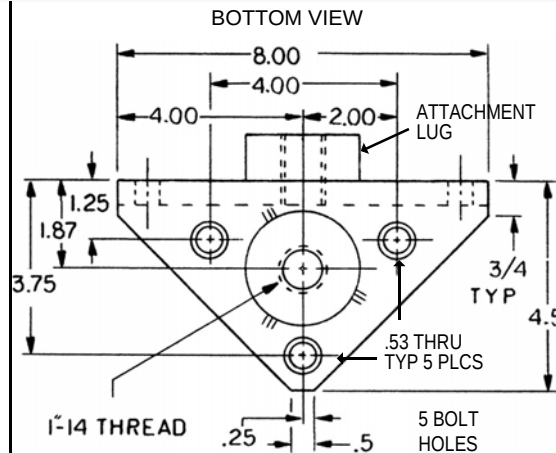
Pads are recommended
to avoid surface damage
and skid.

Welded Construction
Black Oxide Finish

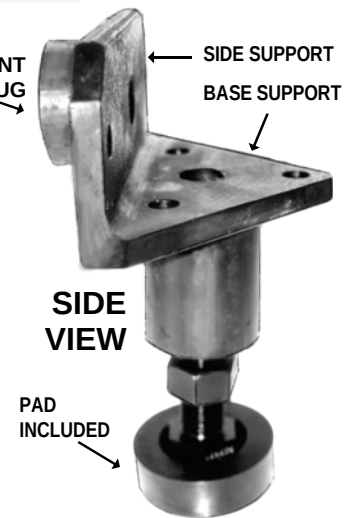
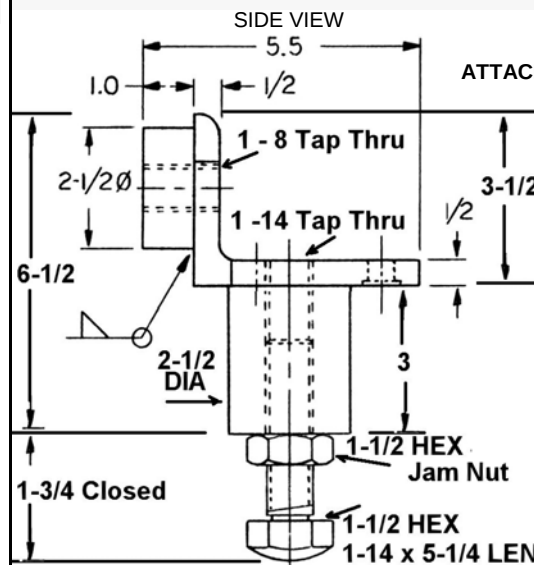
ATTACHMENT LUG
Used to move structure.

FIVE Bolt-On Holes.
.53 to secure bolts,
sides and bases
of structure.

SIDE LEVELING SCREW ASSEMBLY



UDB-523209-BN Bolt and Nut Type IV Assembly



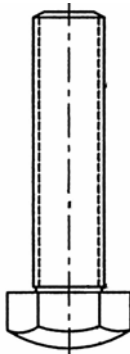
TO ORDER REPLACEMENT PARTS for LEVELING ASSEMBLIES:

Add Part Letters below as a suffix to Base Part Number.

Refer to previous page.

**SPHERICAL
LEVELING
SCREW**

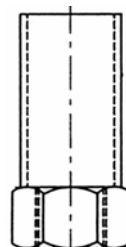
- B



The
Spherical
Leveling
Screw and
Socket are
used in Sets
of 2, 4 or 8.

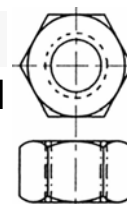
**TUBE
NUT**

- TN



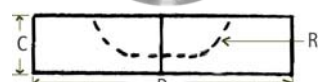
NUT

- N



PAD

- P



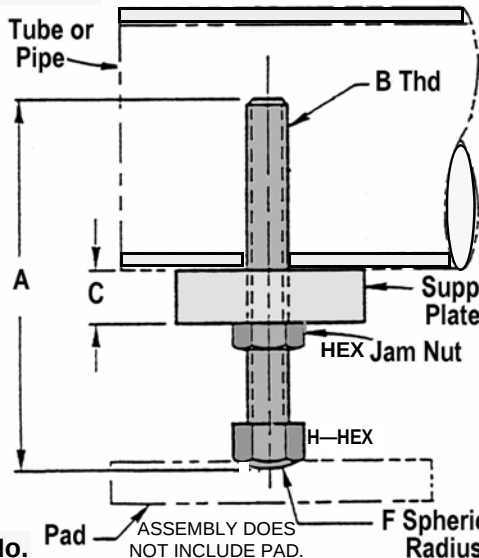
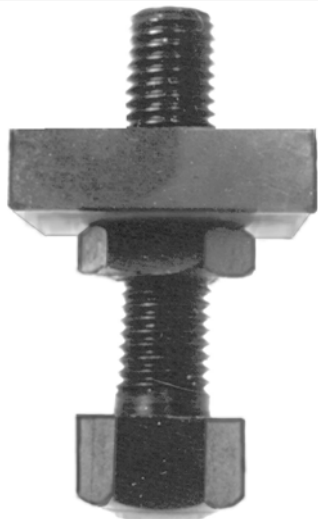
PAD PART NO.	R	C	D
UDB-721104	1"	3/4	2-1/2
UDB-721106	1-1/2	1"	3-1/4
UDB-721108	2"	1-1/4	4-1/2
UDB-721110	4"	1-7/8	7"

Jig Leveling Feet and Pads

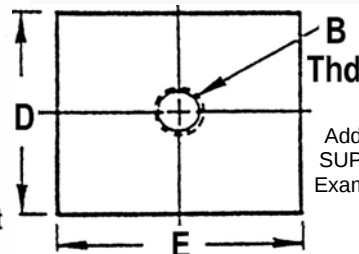
Jig Leveling Feet and Support Pads

JIG LEVELING FEET ASSEMBLY

Individual or Replacement Parts available separately.



SUPPORT PLATE – Add 'SP' to Part No.



Pads prevent skid and movement.
Pads reduce vibration.

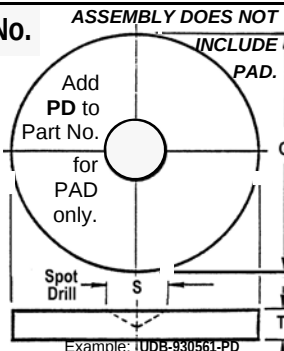
Load is secure and safe with Stud Radius mounted in the Base Plate as shown.
2:1 Safety Factor is used.

Ratings are with the plates provided on this page.

STUD – Add 'ST' to Part No.

Add ST to Part No. for STUD only.
Example: UDB-930561-ST

PAD – Add 'PD' to Part No.

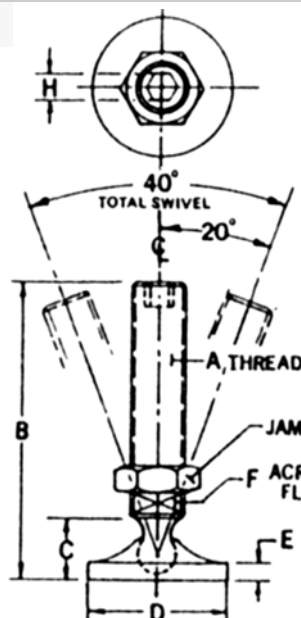


NEW ASSY PART NO. (OLD P/N)	HEX JAM NUT (SEE PG F33)	A	B THD	C	D	E	F SPHER. RADIUS	H HEX	G DIA PAD	S SPOT DIA	T
UDB-930561 (UDB-930560)	UDB-925410	3"	3/8-16	1/2	1-1/2	1-3/4	.60	11/16	3"	.83	.4
UDB-930562 (UDB-930561)	UDB-925415	4"	1/2-13	1/2	1-3/4	2"	.80	7/8	4"	1.00	.5
UDB-930563 (UDB-930562)	UDB-925420	4"	5/8-11	5/8	2"	2"	1.16	1-1/16	6"	1.17	.6
UDB-930564 (UDB-930563)	UDB-925425	4"	3/4-10	5/8	2"	2"	1.50	1-1/4	8"	1.17	.7
UDB-930565 (UDB-930564)	UDB-925435	5"	1-8	3/4	2"	2"	1.80	1-5/8	10"	1.33	1.0
UDB-930566 (-)	UDB-925440	7"	1-1/2-12	1"	3-1/2	3-1/2	2.00	2-3/8	12"	2.00	1.2

JIG LEVELING SCREW PAD



JAM NUT PROVIDED.



'BIG FOOT' LEVELING FOOT PAD with REMOVABLE PAD

Left Hand Pad Ball Thread eliminates back out while allowing pad free rotation and pivoting.
FOR JAM NUT, ADD 'JN' TO PART NO.

UNITED PART NO.	A THD	B HT	C THD to PAD	D PAD DIA	E PAD THICK	F FLATS	H HEX I.D.	LOAD RATING
UDB-954200	1/2-13	2-7/32	7/8	1-1/2	1/4	3/8	1/4	1400
UDB-954205	1/2-13	4-7/32	7/8	1-1/2	1/4	3/8	1/4	400
UDB-954210	5/8-11	3-1/4	29/32	2"	5/16	1/2	5/16	3000
UDB-954215	5/8-11	5-1/4	29/32	2"	5/16	1/2	5/16	1400
UDB-954220	3/4-10	2-17/32	1-1/16	2-1/2	3/8	9/16	3/8	3600
UDB-954225	3/4-10	5-17/32	1-1/16	2-1/2	3/8	9/16	3/8	1800
UDB-954230	1-8	2-19/32	1-19/32	3-1/2	1/2	3/4	1/2	6800
UDB-954235	1-8	5-19/32	1-19/32	3-1/2	1/2	3/4	1/2	6400

Carburized — Hardened 12L14 Steel — Black Oxide — Zinc Plated — Yellow Chromate Finish also available.

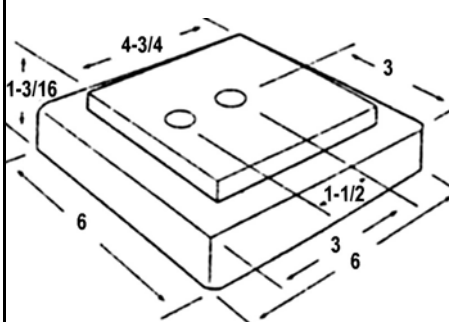
Uni-Pads—"The Perfect Pad"

CUSHIONED TO CUT COSTLY VIBRATION, MACHINE FLOOR WEAR and SHOP NOISE

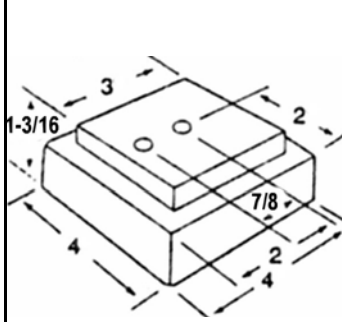
Uni-Pads

The Most Effective Pad — The Perfect Pad!

UCC-436600 Series 6" PADS



UCC-434400 Series 4" PADS



UNITED PART NO.	SIZE	LOAD in POUNDS
UCC-434404	4" x 4"	Up to 4,000
UCC-434410	4" x 4"	4,000 to 10,000
UCC-436604	6" x 6"	Up to 4,000
UCC-436610	6" x 6"	4,000 to 10,000

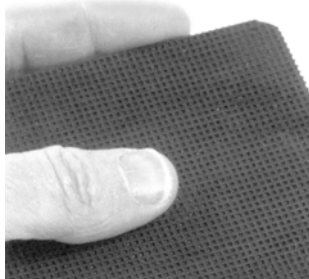
Longest Life Cushioned Pad

Choices of:

- Up to 4,000 pound loads for 60 durometer hardness Elastomer Compound.
- Up to 10,000 pound loads for 80 durometer hardness Elastomer Compound.
- Tiny suction cups on the bottom of the Pad stabilize mounted machines.
- Cushion construction reduces noise and maintains balance against vibration.
- Uni-Pad is "The Perfect Pad"!

"The Perfect Pad" is supplied with a 1/2" threaded cold forged 2-1/2" long bolt.

Can be levelled and aligned quickly and without special tools.



Two tapped Bolt Holes in the high strength aluminum alloy plate allow leveling and attachment flexibility. The plate is permanently imbedded in the elastomer pad for strength and durability.

Ideal to support heavy machines, compressors, grinders, mills, lathes and presses.

Vibration is isolated or eliminated.

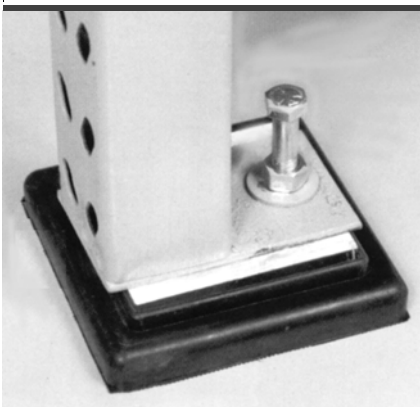
Maintenance and repair costs are reduced as vibration and shock are attenuated.

Floor life is extended and machines do not slip or "walk." Accidents are reduced, and shop life is improved by less noise and chattering of machines.

Uni-Pads are highly resistant to oil and chemicals.

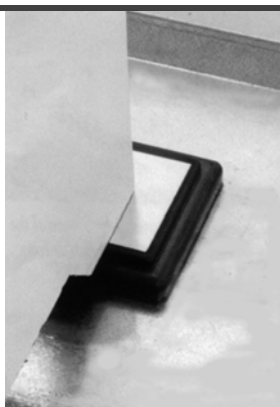
Performance life is lengthened even under extreme operating conditions because of the non-corrosive nature of the elastomer compound.

No wonder it's "The Perfect Pad"!



UNI-PAD

Supplied with 1/2 inch threaded Long Bolt. No other tools needed.



UNI-PAD

Handles up to 10,000 pound loads without dancing all over the place.



Fixture Jacks

UNITED Fixture Jacks And Flat Foot Jig Feet

FIXTURE JACKS

**RADIUS
SPINDLE**



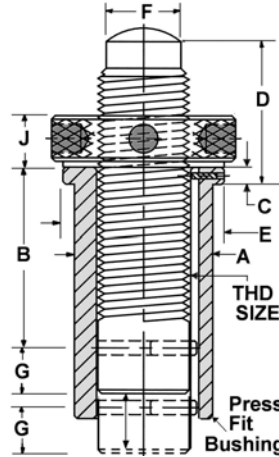
**SERRATED
SPINDLE**



**ADJUSTABLE
SPINDLES**



UNITED FIXTURE JACKS provide positive pressure stops. Vertical elevation adjusts to various heights in milling. Bushing does not rotate.



Available with
non-marring radius
adjustable spindle or
strong-grip serrated
adjustable spindle.

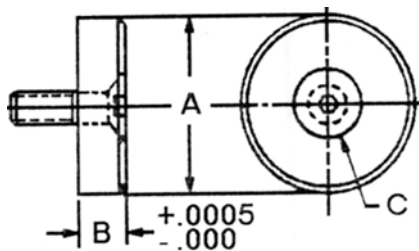
- Hardened and ground bushings
- Sturdy
- Long Wearing
- Dependable
- Adjustable
- Heavy Duty
- Versatile
- Elevates vertically
- Press Fit Bushing
- No rotation

Quality you can trust and Strength you can depend on!

AVAILABLE IN C1144 STEEL CASE HARDENED AND GROUND
HEAT TREATED WITH BLACK OXIDE FINISH.

RADIUS SPINDLE PART NO.	SERRATED SPINDLE PART NO.	A PRESS FIT O. D.	B BUSHING HEIGHT	C FLANGE THICK	D ADJ. SPINDLE HT. MIN MAX		E FLANGE DIA	F SPINDLE DIA	G TRAVEL	J CHECK NUT HT.	THD SIZE
UDB-924901	UDB-924911	5/8	1-3/16	3/16	9/16	1-1/2	1"	1/4	5/32	3/8	3/8 - 16
UDB-924902	UDB-924912	1"	1-5/8	3/16	7/8	2-7/16	1-5/16	15/32	7/16	7/16	5/8-11
UDB-924903	UDB-924913	1-1/2	2-3/4	3/16	7/8	3-1/2	1-3/4	13/16	1/2	9/16	1 - 8

FLAT FOOT JIG SUPPORT FEET



UNITED FLAT FOOT JIG SUPPORTS have a large
diameter with close tolerance flat feet. They assure level
support and stability in less fixture space.

- STRESS-PROOF STEEL
- SURFACE GROUND
- HEAT TREATED
- BLACK OXIDE FINISH.
- CAP SCREW INCLUDED
- AVAILABLE IN METRIC SIZES

UNITED PART NO.	A O. D.	B THICK	FLAT HEAD SOCKET SCREW
UDB-919301	1/2	1/8	8 - 32 x 3/8
UDB-919302	1/2	1/4	8 - 32 x 1/2
UDB-919303	5/8	1/4	10 - 32 x 5/8
UDB-919304	7/8	3/8	1/4 - 20 x 3/4
UDB-919305	1-1/4	3/8	5/16 - 18 x 3/4
UDB-919306	1-5/8	3/8	1/2 - 13 x 3/4