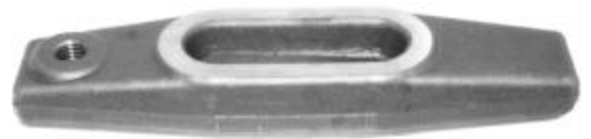


Clamps and Clamping Assemblies

Clamps and Assemblies



GOOSE NECK CLAMP STRAPS Pg G4



STRAIGHT PLAIN CLAMP STRAPS Pg G2



GOOSE NECK RADIUS CLAMP STRAPS Pg G5



STRAIGHT LOCATOR CLAMP STRAPS Pg G3



SLOTTED HEEL RADIUS
NOSE Pg G24



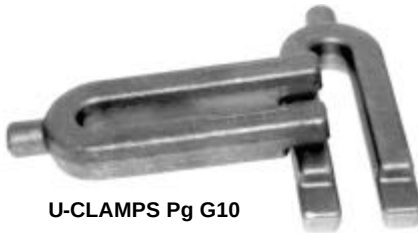
SLOTTED HEEL STEEL
PADDED Pg G18



MINI WIDE-NOSE TAPPED
HEEL Pg G27



TAPERED NOSE
TAPPED HEEL Pg G28



U-CLAMPS Pg G10



ADJ. SADDLE CLAMPS Pg G10



SS MINI TAPPED HEEL Pg G25



REVERSIBLE CAM ACTION
ASSEMBLIES Pg G11



DOUBLE END
HAND KNOB
CENTER
CLAMPS Pg G14



SINGLE END CENTER
CAM SLOTTED HEEL
CLAMPS Pg G16



CLAMP RESTS Pg G12



CLAMP SPRINGS Pg G12



SET-UP WEDGES Pg G10



FINGER CLAMPS Pg G10



CLAMP REST PLATES Pg G12

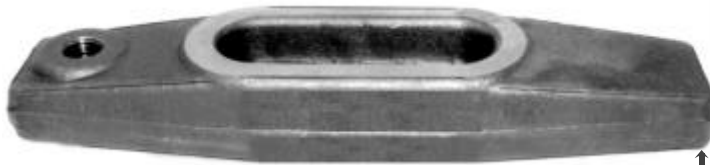


DOUBLE CAMS Pg G12

Forged Steel Clamp Straps

Forged Steel Clamp Straps-Tapped Heel

STRAIGHT PLAIN CLAMP STRAPS



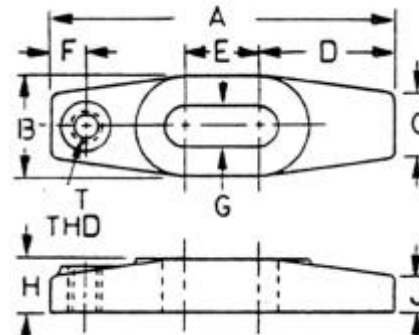
FORGED STEEL 1045 FOR
HEAVY DUTY APPLICATIONS

STRONG — DURABLE
Black Oxide

Also available with or without
tapped hole for customizing to
fit your assemblies.

For general machine
purposes

STRAIGHT PLAIN NOSE



Long
Wearing

Durable

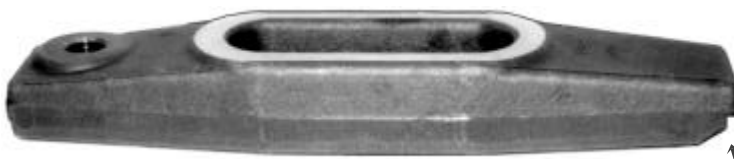
Heavy Duty

Strong

Economical

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948779	UDB-948781	5/8-11	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	11/16	3/4	1/2	5/8-11
UDB-948783	UDB-948785	5/8-11	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	11/16	7/8	9/16	5/8-11
UDB-948787	UDB-948789	3/4-10	8"	2-1/8	1-1/2	3"	2"	11/16	13/16	1-1/8	3/4	5/8-11
UDB-948791	UDB-948793	7/8-9	10"	2-1/2	1-3/4	3-5/8	2-3/4	13/16	15/16	1-3/8	15/16	5/8-11

STRAIGHT LOCATOR CLAMP STRAPS



FORGED STEEL 1045 FOR
HEAVY DUTY APPLICATIONS

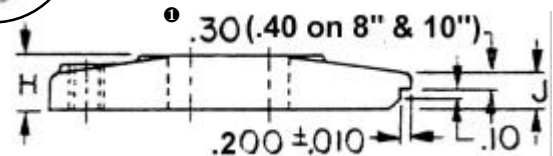
STRONG — DURABLE
Black Oxide

Also available with or without
tapped hole for customizing to
fit your assemblies.

STRAIGHT LOCATOR NOSE

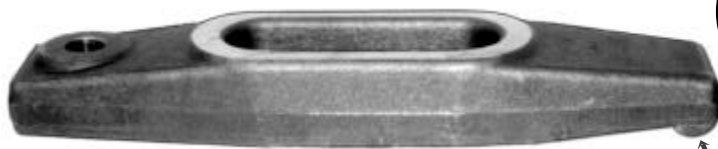


Designed to hold precision
machined surfaces.



T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948794	UDB-948796	5/8-11	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	11/16	3/4	1/2	5/8-11
UDB-948798	UDB-948800	5/8-11	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	11/16	7/8	9/16	5/8-11
UDB-948802	UDB-948804	3/4-10	8"	2-1/8	1-1/2	3"	2"	11/16	13/16	1-1/8	3/4	5/8-11
UDB-948806	UDB-948808	7/8-9	10"	2-1/2	1-3/4	3-5/8	2-3/4	13/16	15/16	1-3/8	15/16	5/8-11

STRAIGHT RADIUS CLAMP STRAPS

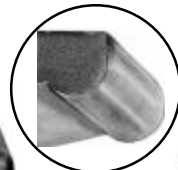


FORGED STEEL 1045 FOR
HEAVY DUTY APPLICATIONS

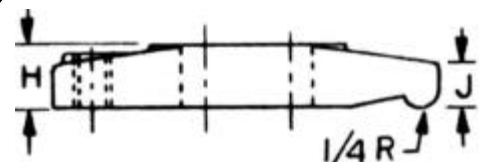
STRONG — DURABLE
Black Oxide

Also available with or without
tapped hole for customizing to
fit your assemblies.

STRAIGHT RADIUS NOSE



Ideal to hold irregular surfaces.

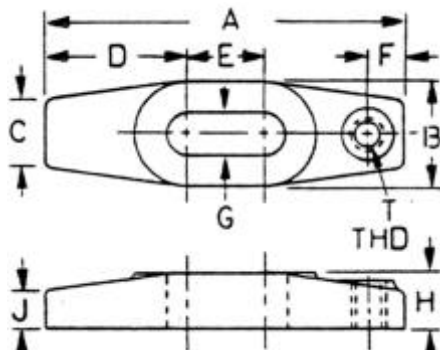


T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948814	UDB-948816	5/8-11	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	11/16	3/4	1/2	5/8-11
UDB-948818	UDB-948820	5/8-11	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	11/16	7/8	9/16	5/8-11
UDB-948822	UDB-948824	3/4-10	8"	2-1/8	1-1/2	3"	2"	11/16	13/16	1-1/8	3/4	5/8-11
UDB-948826	UDB-948828	7/8-9	10"	2-1/2	1-3/4	3-5/8	2-3/4	13/16	15/16	1-3/8	15/16	5/8-11

Aluminum Clamp Straps

Long Wearing Strong Heavy Duty Economical
Without marring machine surfaces

**Aluminum
Clamp Straps**



For general purpose
critical work

STRAIGHT PLAIN TAPPED HEEL CLAMP STRAPS



STRAIGHT PLAIN NOSE

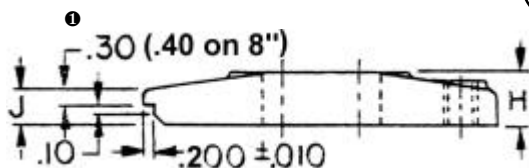
ALUMINUM
FOR HEAVY DUTY APPLICATIONS

STRONG — DURABLE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948748	UDB-948746	1/2-13	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	9/16	3/4	1/2	1/2-13
UDB-948752	UDB-948750	1/2-13	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	9/16	7/8	9/16	1/2-13
UDB-948756	UDB-948754	5/8-11	8"	2-1/8	1-1/2	3"	2"	11/16	11/16	1-1/8	3/4	5/8-11

Also available with or without
tapped hole for customizing to
fit your assemblies.

Locator step ideal for
critical machined surfaces



STRAIGHT LOCATOR CLAMP STRAPS



STRAIGHT LOCATOR NOSE

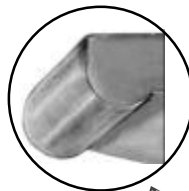
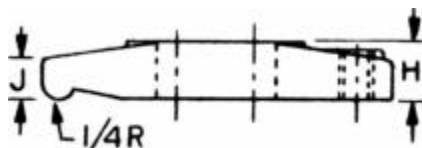
ALUMINUM
FOR HEAVY DUTY APPLICATIONS

STRONG — DURABLE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948732	UDB-948730	1/2-13	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	9/16	3/4	1/2	1/2-13
UDB-948736	UDB-948734	1/2-13	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	9/16	7/8	9/16	1/2-13
UDB-948740	UDB-948738	5/8-11	8"	2-1/8	1-1/2	3"	2"	11/16	11/16	1-1/8	3/4	5/8-11

Also available with or without
tapped hole for customizing to
fit your assemblies.

Perfect for irregular or angled machine surfaces



STRAIGHT RADIUS CLAMP STRAPS



STRAIGHT RADIUS NOSE

ALUMINUM
FOR HEAVY DUTY APPLICATIONS

STRONG — DURABLE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	T THD TAP
UDB-948749	UDB-948747	1/2-13	4"	1-5/8	1-3/16	1-21/32	11/16	7/16	9/16	3/4	1/2	1/2-13
UDB-948753	UDB-948751	1/2-13	6"	1-3/4	1-1/4	2-5/16	1-3/8	9/16	9/16	7/8	9/16	1/2-13
UDB-948757	UDB-948755	5/8-11	8"	2-1/8	1-1/2	3"	2"	11/16	11/16	1-1/8	3/4	5/8-11

Also available with or without
tapped hole for customizing to
fit your assemblies.

Forged Steel Goose Neck Clamp Straps

Forged Steel Goose Neck Clamp Straps

GOOSE NECK PLAIN CLAMP STRAPS



Available with or without tapped hole. If no tapped hole, customize to your set up thread application.

FORGED STEEL 1045 FOR HEAVY DUTY APPLICATIONS

STRONG
Black Oxide

Adaptable to your custom machine purposes

OVER 70,000 PSI YIELD STRENGTH

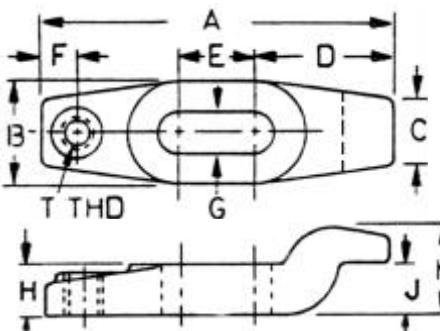
Long Wearing

Economical

Heavy Duty

Strong

Durable



GOOSE NECK PLAIN NOSE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	T THD TAP
UDB-948850	UDB-948852	5/8-11	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	11/16	3/4	13/16	1-7/16	5/8-11
UDB-948854	UDB-948856	5/8-11	6"	1-3/4	1-1/4	2-1/2	1"	5/8	11/16	7/8	15/16	1-9/16	5/8-11
UDB-948858	UDB-948860	3/4-10	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	13/16	1-1/8	1-1/8	2-1/16	5/8-11

GOOSE NECK LOCATOR CLAMP STRAPS

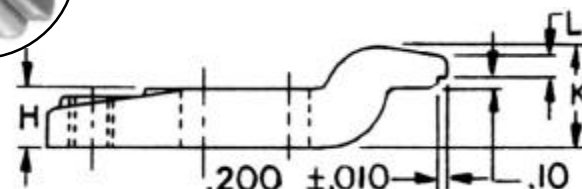


Available with or without tapped hole. Can be customized to fit your set up assemblies.

FORGED STEEL 1045 FOR HEAVY DUTY APPLICATIONS

DURABLE Black Oxide

Designed to hold precision machined surfaces.



GOOSE NECK LOCATOR NOSE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	L	T THD TAP
UDB-948834	UDB-948836	5/8-11	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	11/16	3/4	13/16	1-7/16	.15	5/8-11
UDB-948838	UDB-948840	5/8-11	6"	1-3/4	1-1/4	2-1/2	1"	5/8	11/16	7/8	15/16	1-9/16	.25	5/8-11
UDB-948842	UDB-948844	3/4-10	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	13/16	1-1/8	1-1/8	2-1/16	.35	5/8-11

GOOSE NECK RADIUS CLAMP STRAPS

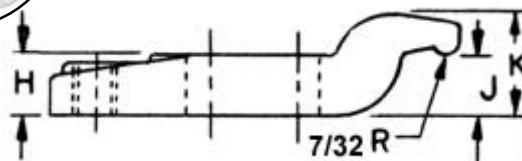


Available with or without tapped hole to customize to your application.

FORGED STEEL 1045 FOR HEAVY DUTY APPLICATIONS

LONG WEAR
Black Oxide

Ideal to hold irregular and angular surfaces.

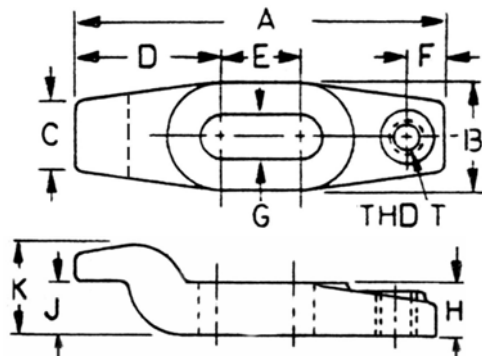


GOOSE NECK RADIUS NOSE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	T THD TAP
UDB-948849	UDB-948851	5/8-11	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	11/16	3/4	13/16	1-7/16	5/8-11
UDB-948853	UDB-948855	5/8-11	6"	1-3/4	1-1/4	2-1/2	1"	5/8	11/16	7/8	15/16	1-9/16	5/8-11
UDB-948857	UDB-948859	3/4-10	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	13/16	1-1/8	1-1/8	2-1/16	5/8-11

Aluminum Goose Neck Clamp Straps

Aluminum Goose
Neck Clamp Straps



GOOSE NECK PLAIN TAPPED HEEL CLAMP STRAPS

For general
purpose and
critical work

Long Wearing
Economical



GOOSE NECK PLAIN NOSE

ALUMINUM
FOR HEAVY DUTY APPLICATIONS

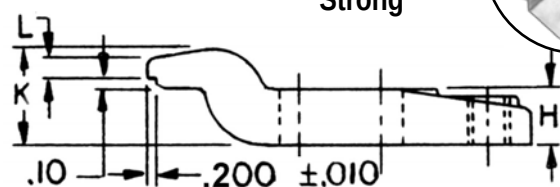
STRONG — DURABLE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	T THD TAP
UDB-948780	UDB-948778	1/2-13	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	9/16	3/4	13/16	1-7/16	1/2-13
UDB-948784	UDB-948782	1/2-13	6"	1-3/4	1-1/4	2-1/2	1"	5/8	9/16	7/8	15/16	1-9/16	1/2-13
UDB-948788	UDB-948786	5/8-11	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	11/16	1-1/8	1-1/8	2-1/16	5/8-11

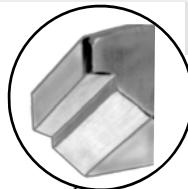
No marring of machine surfaces

Also available with or without
tapped hole for customizing to fit
your assemblies.

Locator step ideal for critical
machined surfaces



Strong



GOOSE NECK LOCATOR CLAMP STRAPS

GOOSE NECK LOCATOR NOSE

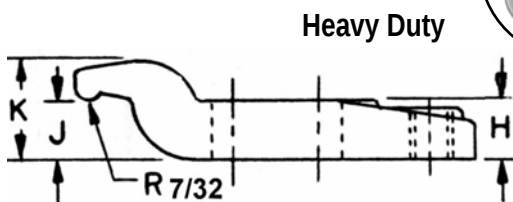
ALUMINUM
FOR HEAVY DUTY
APPLICATIONS

STRONG — DURABLE

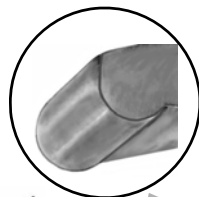
T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	L	T THD TAP
UDB-948764	UDB-948762	1/2-13	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	9/16	3/4	13/16	1-7/16	.25	1/2-13
UDB-948768	UDB-948766	1/2-13	6"	1-3/4	1-1/4	2-1/2	1"	5/8	9/16	7/8	15/16	1-9/16	.30	1/2-13
UDB-948772	UDB-948770	5/8-11	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	11/16	1-1/8	1-1/8	2-1/16	.40	5/8-11

Also available with or without
tapped hole for customizing to fit
your assemblies.

Perfect for irregular or
angled machine surfaces



Heavy Duty



GOOSE NECK RADIUS CLAMP STRAPS

GOOSE NECK RADIUS NOSE

ALUMINUM
FOR HEAVY DUTY APPLICATIONS

STRONG — DURABLE

T NO TAP PART NO.	T TAPPED PART NO.	STUD SIZE	A	B	C	D	E	F	G	H	J	K	T THD TAP
UDB-948761	UDB-948763	1/2-13	4"	1-5/8	1-3/16	1-7/8	1/4	1/2	9/16	3/4	13/16	1-7/16	1/2-13
UDB-948765	UDB-948767	1/2-13	6"	1-3/4	1-1/4	2-1/2	1"	5/8	9/16	7/8	15/16	1-9/16	1/2-13
UDB-948769	UDB-948771	5/8-11	8"	2-1/8	1-1/2	3-3/16	1-5/8	1"	11/16	1-1/8	1-1/8	2-1/16	5/8-11

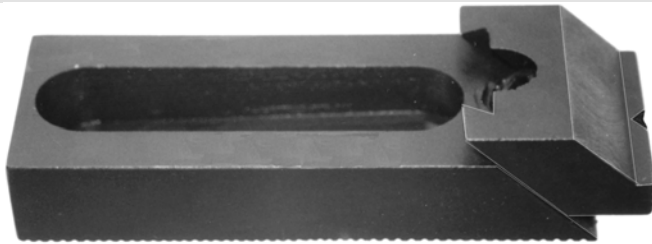
Also available with or without
tapped hole for customizing to fit
your assemblies.

Serrated Low - Medium Nose Toe Clamps

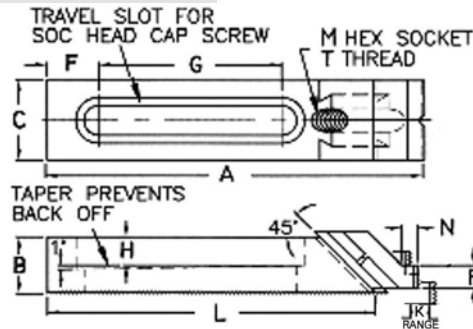
Serrated Low/Medium Nose Adjustable Toe Clamps

SERRATED ADJUSTABLE LOW NOSE TOE EDGE CLAMPS

Toe Clamps provide extra machining clearance.



SERRATED ADJUSTABLE LOW NOSE TOE EDGE CLAMPS are powerful. They grip on the side of the work piece. The top surface is left open. Interference is minimized for cutting or measuring. Ideal for modular tooling, mills, planes, jig bores, boring



Toe Clamp Aluminum Covers are available for Low and Medium Nose styles to prevent damage to work.

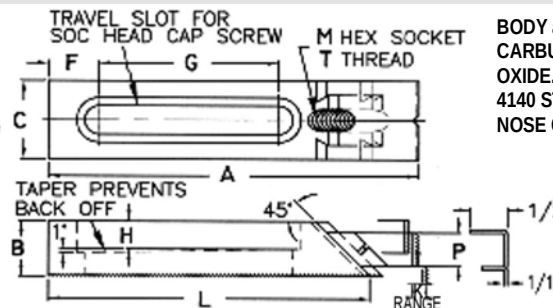
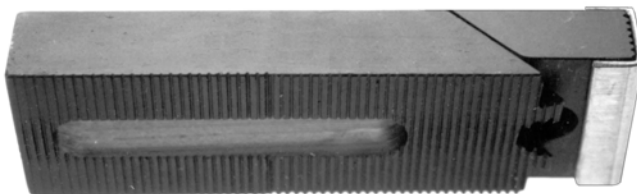
BODY and NOSE: 1018 STEEL CARBURIZED WITH BLACK OXIDE.
CLAMPING SCREW: 4140 STEEL, BLACK OXIDE. NOSE COVER: ALUMINUM.

SERRATED ADJUSTABLE LOW NOSE TOE EDGE STRAP CLAMPS

LOW NOSE PART NO.	MOUNTING SCREW SIZE	A LEN	B HT.	C WIDE	F CTR TO END	G TRAVEL	H SLOT DEPTH	K WORK RANGE	L LEN STD BASE	M HEX SSS	N NOSE PROTRU- SION	P TOE HT.	ADJUSTING SCREW	LOW NOSE TOE ONLY	MOUNTING SCREW	ALUMINUM NOSE TOE COVER
UCC-833910	5/16-18 or M8	2	5/8	1	3/8	1/4	9/32	±1/4	1-1/2	5/32	1/8	1/8	UCC-833910A	UCC-833910T	UCC-SHCS-	UCC-833910C
UCC-833912	5/16-18 or M8	3	5/8	1	3/8	1-1/4	9/32	±1/4	2-1/2	5/32	1/8	1/8	UCC-833914A	UCC-833914T	5/16-18x1-1/8	UCC-833914C
UCC-833914	3/8-16 or M10	3	5/8	1-1/4	1/2	13/16	3/8	±1/4	2-3/8	3/16	1/4	1/4			UCC-SHCS-	
UCC-833916	3/8-16 or M10	4-1/4	5/8	1-1/4	1/2	1-7/16	3/8	±1/4	3-5/8	3/16	1/4	1/4			3/8-16x1-1/8	
UCC-833918	3/8-16 or M10	5	5/8	1-1/4	1	2-1/8	3/8	±1/4	4-3/8	3/16	1/4	1/4				
UCC-833920	1/2-13 or M12	4	7/8	1-1/2	1/2	1-1/4	1/2	±5/16	3-3/16	1/4	1/4	1/4	UCC-833920A	UCC-833920T	UCC-SHCS-	UCC-833920C
UCC-833922	1/2-13 or M12	5-1/2	7/8	1-1/2	7/8	2-1/8	1/2	±5/16	4-11/16	1/4	1/4	1/4			1/2-13x1.50	
UCC-833924	1/2-13 or M12	7-1/8	7/8	1-1/2	1-9/16	3	1/2	±5/16	6-5/16	1/4	1/4	1/4				
UCC-833926	5/8-11 or M16	5-1/2	1-1/4	1-3/4	27/32	1-3/8	5/8	±5/16	4-1/2	5/16	5/16	3/8	UCC-833926A	UCC-833926T	UCC-SHCS-	UCC-833926C
UCC-833928	5/8-11 or M16	8-1/4	1-1/4	1-3/4	1-1/4	4	5/8	±5/16	7-1/4	5/16	5/16	3/8	UCC-833930A	UCC-833930T	5/8-11x2.00	UCC-833930C
UCC-833930	3/4-10 or M20	5-1/2	1-1/4	1-3/4	27/32	1-3/8	3/4	±5/16	4-1/2	5/16	5/16	3/8			UCC-SHCS-	
UCC-833932	3/4-10 or M20	8-1/4	1-1/4	1-3/4	1-1/4	4	3/4	±5/16	7-1/4	5/16	5/16	3/8			3/4-10x2.00	

SERRATED ADJUSTABLE STANDARD MEDIUM NOSE TOE EDGE CLAMPS

BOTTOM VIEW SHOWING SERRATIONS



BODY and NOSE: 1018 STEEL CARBURIZED WITH BLACK OXIDE. CLAMPING SCREW: 4140 STEEL, BLACK OXIDE. NOSE COVER: ALUMINUM.

ALUMINUM TOE CLAMP COVERS PREVENT DAMAGE.

SERRATED ADJUSTABLE STANDARD MEDIUM NOSE TOE EDGE CLAMPS provide strong clamping. Tighten the socket set screw and this adjustable clamp grips forward and down simultaneously thru its 45° angle. The 'V' groove in the nose secures round pieces and corners. Serrations prevent sliding from away from work piece.

SERRATED ADJUSTABLE STANDARD NOSE TOE EDGE STRAP CLAMPS

STANDARD MEDIUM NOSE PART NO.	MOUNTING SCREW SIZE	A LEN	B HT.	C WIDE	F CTR TO END	G TRAVEL	H SLOT DEPTH	K WORK RANGE	L LEN STD BASE	M HEX SSS	P TOE HT.	ADJUSTING SCREW	MEDIUM NOSE TOE ONLY	MOUNTING SCREW	ALUMINUM NOSE TOE COVER
UCC-833940	5/16-18 or M8	2	5/8	1	3/8	1/4	9/32	±1/4	1-1/2	5/32	7/16	UCC-833940A	UCC-833940T	UCC-SHCS- 5/16-18x1-1/8	UCC-833940C
UCC-833942	5/16-18 or M8	3	5/8	1	3/8	1-1/4	9/32	±1/4	2-1/2	5/32	7/16	UCC-833944A	UCC-833944T	UCC-SHCS- 3/8-16x1-1/8	UCC-833944C
UCC-833944	3/8-16 or M10	3	5/8	1-1/4	1/2	13/16	3/8	±1/4	2-3/8	3/16	7/16				
UCC-833946	3/8-16 or M10	4-1/4	5/8	1-1/4	1/2	1-7/16	3/8	±1/4	3-5/8	3/16	7/16				
UCC-833948	3/8-16 or M10	5	5/8	1-1/4	1	2-1/8	3/8	±1/4	4-3/8	3/16	7/16				
UCC-833950	1/2-13 or M12	4	7/8	1-1/2	1/2	1-1/4	1/2	±5/16	3-3/16	1/4	5/8	UCC-833950A	UCC-833950T	UCC-SHCS- 1/2-13x1.50	UCC-833950C
UCC-833952	1/2-13 or M12	5-1/2	7/8	1-1/2	7/8	2-1/8	1/2	±5/16	4-11/16	1/4	5/8				
UCC-833954	1/2-13 or M12	7-1/8	7/8	1-1/2	1-9/16	3	1/2	±5/16	6-5/16	1/4	5/8				
UCC-833956	5/8-11 or M16	5-1/2	1-1/4	1-3/4	27/32	1-3/8	5/8	±5/16	4-1/2	5/16	3/4	UCC-833956A	UCC-833956T	UCC-SHCS- 5/8-11x2.00	UCC-833956C
UCC-833958	5/8-11 or M16	8-1/4	1-1/4	1-3/4	1-1/4	4	5/8	±5/16	7-1/4	5/16	3/4	UCC-833960A	UCC-833960T	UCC-SHCS- 3/4-10x2.00	UCC-833960C
UCC-833960	3/4-10 or M20	5-1/2	1-1/4	1-3/4	27/32	1-3/8	3/4	±5/16	4-1/2	5/16	3/4				
UCC-833962	3/4-10 or M20	8-1/4	1-1/4	1-3/4	1-1/4	4	3/4	±5/16	7-1/4	5/16	3/4				

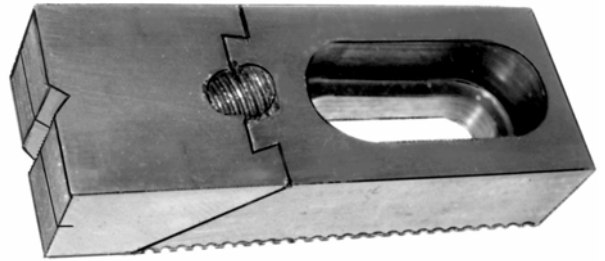
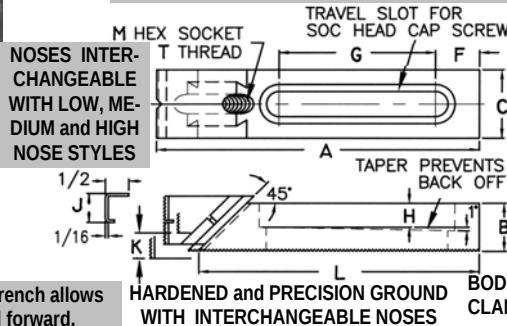
Serrated High and Step Nose Adjustable Toe Clamps

Serrated High – Step Nose Toe Clamps

Toe Clamp Aluminum Covers are available for High and Step Nose styles.



SERRATED ADJUSTABLE HIGH NOSE BIG TOE EDGE CLAMPS



Tightening with a Hex Wrench allows clamping both down and forward.

BODY and NOSE: 1018 STEEL CARBURIZED WITH BLACK OXIDE. CLAMPING SCREW: 4140 STEEL, BLACK OXIDE. NOSE COVER: ALUMINUM.

SERRATED ADJUSTABLE HIGH BIG NOSE TOE EDGE CLAMPS handles most workholding jobs with its large grip on the work piece. Maximum clamp rigidity while close to machining plane. Use a hex wrench for clamping down and forward at the same time. Aluminum toe clamp covers protect soft or machine parts. The 'V' groove in the nose secures curved pieces and corners while serrations prevent sliding.

SERRATED ADJUSTABLE HIGH NOSE TOE EDGE STRAP CLAMPS

Replacement Parts

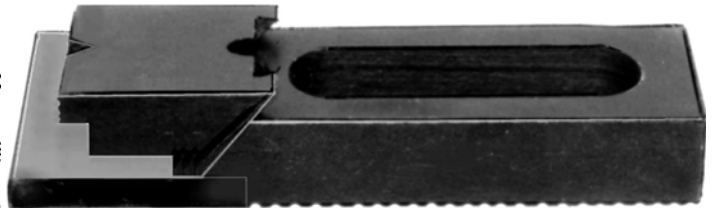
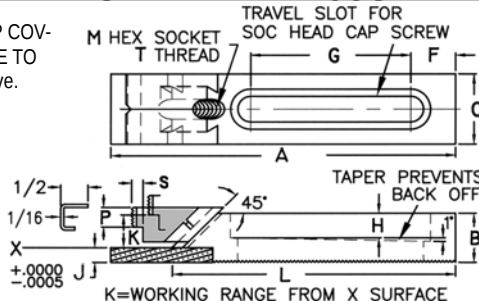
HIGH NOSE PART NO.	MOUNTING SCREW SIZE	A LEN	B HT.	C WIDE	F CTR TO END	G TRAVEL	H SLOT DEPTH	J COVER HT.	K WORK RANGE	L LEN STD BASE	M HEX SSS	ADJUSTING SCREW	HIGH NOSE TOE ONLY	MOUNTING SCREW	ALUMINUM NOSE TOE COVER
UCC-833970	5/16-18 or M8	2	5/8	1	13/32	1/4	5/16	15/32	±1/4	1.50	5/32	UCC-833970A	UCC-833970T	UCC-SSS-5/16-18x1-1/8	UCC-833970C
UCC-833972	5/16-18 or M8	3	5/8	1	5/16	1-1/4	5/16	15/32	±1/4	2.50	5/32				
UCC-833974	3/8-16 or M10	3-1/4	5/8	1-1/4	1/2	13/16	3/8	15/32	±1/4	2.30	3/16	UCC-833974A	UCC-833974T	UCC-SSS-3/8-16x1-1/8	UCC-833974C
UCC-833976	3/8-16 or M10	4-3/8	5/8	1-1/4	3/4	1-5/16	3/8	15/32	±1/4	3.43	3/16				
UCC-833978	3/8-16 or M10	5-1/4	5/8	1-1/4	1	2-1/8	3/8	15/32	±1/4	4.30	3/16				
UCC-833980	1/2-13 or M12	4-1/8	7/8	1-1/2	1/2	1-3/16	1/2	21/32	±5/16	3.05	1/4	UCC-833980A	UCC-833980T	UCC-SSS-1/2-13x1.50	UCC-833980C
UCC-833982	1/2-13 or M12	5-1/2	7/8	1-1/2	7/8	2-1/8	9/16	21/32	±5/16	4.55	1/4				
UCC-833984	1/2-13 or M12	7-1/8	7/8	1-1/2	1-9/16	3	9/16	21/32	±5/16	6.43	1/4				
UCC-833986	5/8-11 or M16	5-1/2	1-1/4	1-3/4	27/32	1-3/8	5/8	3/4	±5/16	4.33	5/16	UCC-833986A	UCC-833986T	UCC-SSS-5/8-11x2.00	UCC-833986C
UCC-833988	5/8-11 or M16	8-1/4	1-1/4	1-3/4	1-1/4	4	5/8	3/4	±5/16	7.20	5/16				
UCC-833990	3/4-10 or M20	5-1/2	1-1/4	1-3/4	27/32	1-3/8	3/4	3/4	±5/16	4.33	5/16	UCC-833990A	UCC-833990T	UCC-SSS-3/4-10x2.00	UCC-833990C
UCC-833992	3/4-10 or M20	8-1/4	1-1/4	1-3/4	1-1/4	4	3/4	3/4	±5/16	7.20	5/16				

SERRATED ADJUSTABLE PRECISION STEP NOSE TOE EDGE CLAMPS

HARDENED and PRECISION GROUND — WITH REPLACEABLE NOSES

ALUMINUM TOE CLAMP COVERS PREVENT DAMAGE TO WORK PIECE. See above.

Ideal for use with T-Slots, Insert plates, Tapped Holes, Uni-Fixtures and in mold and casting applications.



BODY and NOSE: 1018 STEEL CARBURIZED WITH BLACK OXIDE. CLAMPING SCREW: 4140 STEEL, BLACK OXIDE. NOSE COVER: ALUMINUM.

SERRATED ADJUSTABLE PRECISION STEP NOSE TOE EDGE CLAMPS mount vertically or horizontally while elevating the work piece for drilling, milling and tapping. The ground step is ideal for repeated positioning. The adjustable nose provides positive holding force against the ground base preventing movement when tightening. Perfect for difficult hold set-ups.

SERRATED ADJUSTABLE STEP NOSE TOE EDGE STRAP CLAMPS

Replacement Parts

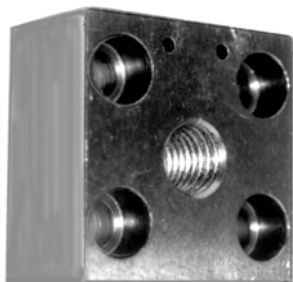
STEP NOSE PART NO.	MOUNTING SCREW SIZE	A LEN	B HT.	C WIDE	F CTR TO END	G TRAVEL	H SLOT DEPTH	J PLATE HT.	K WORK RANGE	L LEN STD	M HEX SSS	P TOE HT.	S TOE EXTEND	ADJUSTING SCREW	STEP NOSE TOE ONLY	PRECISION STEP BASE PLATE	MOUNTING SCREW	ALUMINUM NOSE TOE
UCC-833700	5/16-18 or M8	2	5/8	1	13/32	1/4	5/16	3/16	3/8	2	5/32	5/16	1/4	UCC-833700A	UCC-833700T	UCC-833700B	UCC-SSS-5/16-18x1-1/8	UCC-833700C
UCC-833702	5/16-18 or M8	3	5/8	1	5/16	1-1/4	5/16	3/16	3/8	3	5/32	5/16	1/4					
UCC-833704	3/8-16 or M10	3-1/4	5/8	1-1/4	1/2	13/16	3/8	3/16	3/8	3-1/4	3/16	5/16	1/4	UCC-833704A	UCC-833704T	UCC-833704B	UCC-SSS-3/8-16x1-1/8	UCC-833704C
UCC-833706	3/8-16 or M10	4-3/8	5/8	1-1/4	3/4	1-5/16	3/8	3/16	3/8	4-3/8	3/16	5/16	1/4					
UCC-833708	3/8-16 or M10	5-1/4	5/8	1-1/4	1	2-1/8	3/8	3/16	3/8	5-1/4	3/16	5/16	1/4					
UCC-833710	1/2-13 or M12	4-1/8	7/8	1-1/2	1/2	1-3/16	1/2	1/4	1/2	4-1/8	1/4	3/8	1/4	UCC-833710A	UCC-833710T	UCC-833710B	UCC-SSS-1/2-13x1.50	UCC-833710C
UCC-833712	1/2-13 or M12	5-1/2	7/8	1-1/2	7/8	2-1/8	9/16	1/4	1/2	5-1/2	1/4	3/8	1/4					
UCC-833714	1/2-13 or M12	7-1/8	7/8	1-1/2	1-9/16	3	9/16	1/4	1/2	7/8	1/4	3/8	1/4					
UCC-833716	5/8-11 or M16	5-1/2	1-1/4	1-3/4	27/32	1-3/8	5/8	3/8	5/8	5-1/2	5/16	1/2	3/8	UCC-833716A	UCC-833716T	UCC-833716B	UCC-SSS-5/8-11x2.00	UCC-833716C
UCC-833718	5/8-11 or M16	8-1/4	1-1/4	1-3/4	1-1/4	4	5/8	3/8	5/8	8-1/4	5/16	1/2	3/8					
UCC-833720	3/4-10 or M20	5-1/2	1-1/4	1-3/4	27/32	1-3/8	3/4	3/8	5/8	5-1/2	5/16	1/2	3/8	UCC-833720A	UCC-833720T	UCC-833720B	UCC-SSS-3/4-10x2.00	UCC-833720C
UCC-833722	3/4-10 or M20	8-1/4	1-1/4	1-3/4	1-1/4	4	3/4	3/8	5/8	8-1/4	5/16	1/2	3/8					

Clamp Pads

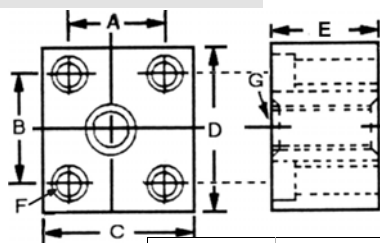
Rest, Jig, Revolving and Base Clamp Pads

REVOLVING ADJUSTABLE BASE PAD

Hardened and Ground



Precision Ground — 1018 Steel
Heat Treated — Black Oxide Finish

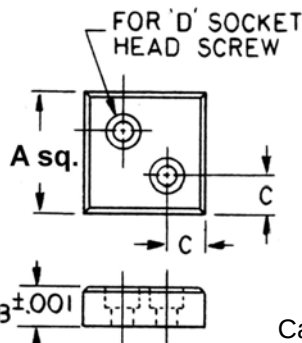


Designed to allow clamps to swivel and for load and unload while machining.

Ideal Base for Swing Clamps.

BASE PAD PART NO.	A TOP BOLT SPACING	B BOTTOM BOLT SPAC.	C WIDTH	D LENGTH	E HT.	F SHOULDER BOLT SIZE	G CENTER THD
UDB-935110	7/8	1"	1-7/16	1-1/2	1"	3/16	3/8-16
UDB-935111	1-1/4	1-1/2	2-1/4	2-1/4	1-1/4	3/8	5/8-11

JIG LEG PLATE PAD



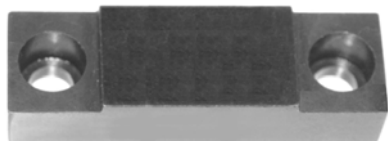
Large solid contact Pad. Precision ground. Serves as Rest Pad or Jig Foot. This double pad handles heavy loads. Tapped for socket head screws.

PART NO.	A SQUARE	B HT.	C LOCATION	D SOCKET HD SCREW
UDB-546565	1"	.3125	5/16	#10-32 or M5
UDB-546567	1-1/4	.3750	3/8	1/4-20 or M6
UDB-546569	1-1/2	.4375	7/16	1/4-20 or M6

Carburized and Hardened 1018 Steel — Black Oxide

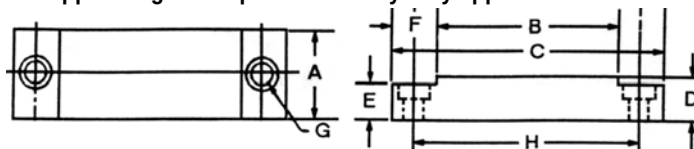
REST PADS

Rest Pads support large work pieces in heavy duty applications where rest buttons are inadequate.



Precision Ground — C-1018 Steel
Heat Treated — Black Oxide Finish

AVAILABLE IN METRIC

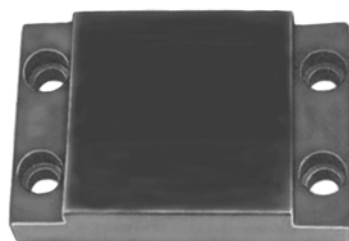


REST PAD PART NO.	A WIDTH	B LEN TO 'F'	C OAL LENGTH	D +.0005 -.0000	E THICK	F RELIEF	G SOCKET HD CAP SCREW	H BETWEEN CENTERS
UDB-935901	1"	1"	2"	.475	3/8	1/2	#10	1-1/2
UDB-935902	1-1/2	1-1/2	2-1/2	.600	1/2	1/2	1/4	2"
UDB-935903	1"	2	3-1/2	.720	5/8	3/4	5/16	2-3/4
UDB-935904	1"	3	4-1/2	.720	5/8	3/4	5/16	3-3/4
UDB-935905	1"	4	5-1/2	.720	5/8	3/4	5/16	4-3/4

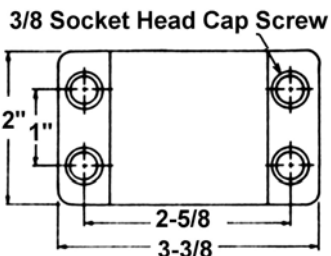
HEAVY DUTY REST PADS

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

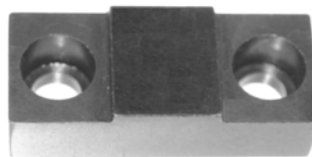
HEAVY DUTY



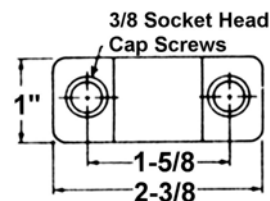
LARGE PAD
UDB-546560



Pads are Precision Ground
1018 Steel
Heat Treated — Black Oxide Finish



SMALL PAD
UDB-546550



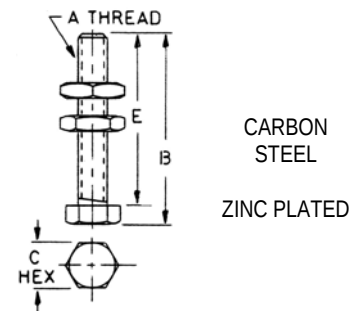
Strap Clamp Rests and Support Spindles

Rests and Supports

TOUGH DURABLE MULTI-PURPOSE SPINDLE HAS BOLT FULLY THREADED FOR MAXIMUM ADJUSTMENT.

UNITED ADJUSTABLE SPINDLES	SIZE	A THD	B OAL	C HEX	E LENGTH UNDER
UCC-700050	SMALL	5/16-18	2-11/16	1/2	2-1/2
UCC-700052	MEDIUM	3/8-16	3-1/4	9/16	3
UCC-700054	STANDARD	1/2-13	3-5/16	3/4	3
UCC-700056	HEAVY	5/8-11	4-3/8	15/16	4

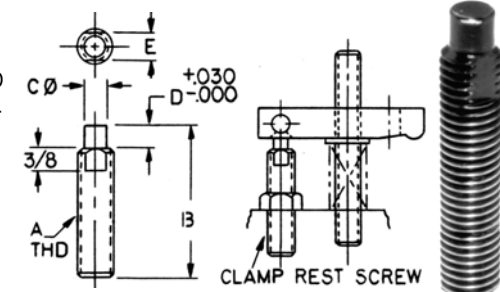
ADJUSTABLE SPINDLES



DESIGNED FOR DRILL, SPOT, HEEL, SWIVEL HEEL, REAR SUPPORT AND TAPPED HEEL CLAMPS.

PART NO.	A	B	C	D	E
UDB-932261	3/8-16	2"	.250	.313	1/4
UDB-932262		2-1/2			
UDB-932263		3"			
UDB-932264	1/2-13	2"	.344	.313	3/8
UDB-932265		2-1/2			
UDB-932266		3"			

CARBURIZED AND HARDENED 12L14 STEEL
BLACK OXIDE FINISH



CLAMP REST SCREWS

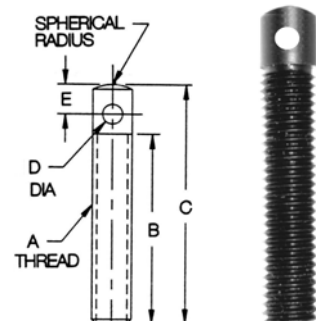
UNITED	A THD	B	C	D DIA	E
UDB-930670	#10-32	1/2	3/4	3/32	1/8
UDB-930672		3/4	1"		
UDB-930674		1-1/4	1-1/2		
UDB-930676	1/4 - 20	11/16	1"	1/8	1/8
UDB-930678		1-3/16	1-1/2		3/16
UDB-930680		1-7/16	1-3/4		1/4
UDB-930682	5/16-18	7/8	1-1/4	5/32	3/16
UDB-930684		1-1/8	1-1/2		
UDB-930686		1-5/8	2"		
UDB-930688	3/8 - 16	1-1/8	1-1/2	3/16	3/16
UDB-930690		1-3/8	1-3/4		
UDB-930692		2-3/8	2-3/4		

CLAMP SCREWS — REAR SUPPORT

REAR SUPPORT CLAMP SCREWS HAVE SPHERICAL HEAD.

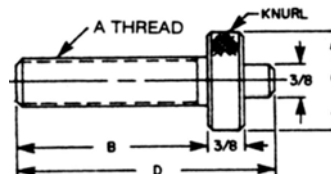
DRILL HOLE ALLOWS TURNING WITH A PIN.

USE UP OR DOWN
12L14 STEEL
HEAT TREATED
BLACK OXIDE FINISH.



UNITED	A THD	B	C	D
UDB-930500	3/8 - 16	1-1/4	1-1/8	1-7/8
UDB-930510		1-5/8		2-1/4
UDB-930515		2"		2-5/8
UDB-930520	1/2 - 13	1-1/4	1-1/8	1-7/8
UDB-930525		1-5/8		2-1/4
UDB-930530		2"		2-5/8
UDB-930535	5/8 - 11	2-1/2	1-3/8	3-1/8
UDB-930540		1-5/8		2-1/4
UDB-930545		2"		2-5/8
UDB-930550		2-1/2		3-1/8

JACK SCREWS SUPPORT WORK PIECES WITH IRREGULAR SHAPES.
HELP ELIMINATE MACHINING DISTORTION.

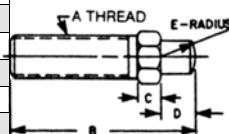


12L14 STEEL
HEAT TREATED
BLACK OXIDE FINISH.

JACK SCREWS

ADJUSTABLE LOCATING SCREWS POSITION WORK PIECE ACCURATELY IN FIXTURE.

UNITED	A THD	B	C - E - D	F	G
UDB-930575	#10-32	1"	1/8	3/16	1/4
UDB-930580	1/4 - 28	1-1/2	3/16	1/4	3/8
UDB-930585	3/8 - 24	2"	1/4	3/8	1/2
UDB-930590	1/2 - 20	2-1/2	5/16	1/2	5/8
UDB-930595	5/8 - 18	3"	3/8	5/8	3/4



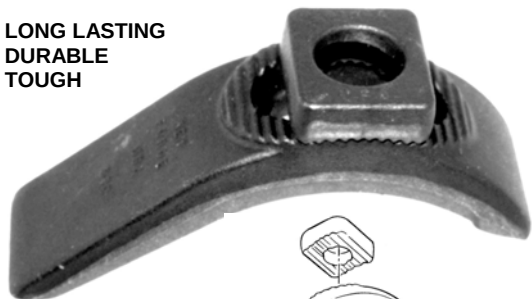
12L14 STEEL
HEAT TREATED
BLACK OXIDE FINISH.

Wedges Finger & U-Clamps

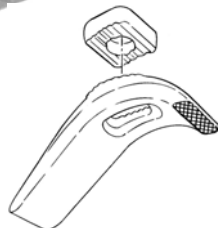
Set Up and Work Hold Wedges and Clamps

UNIVERSAL ADJUSTABLE SADDLE CLAMPS

LONG LASTING
DURABLE
TOUGH



Black Oxide



FORGED STEEL
1045 FOR
HEAVY DUTY
APPLICATIONS

Long Wear for work on
machine tools with
slotted tables. Use with
T-Slot Bolts or Studs.

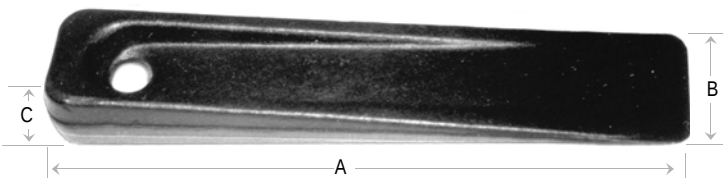
ASSEMBLY SADDLE & CLAMP	INDIVIDUAL PART NO.	LENGTH	WIDTH	ADJUSTMENT	MAX T-SLOT BOLT SIZE	WT. LBS.
UDB-837900	UDB-837901 CLAMP	5-1/16	1-5/8	2-1/4	5/8	1.3
	UDB-837902 SADDLE	1-5/16	1-1/2	2-1/4	5/8	0.3
UDB-837905	UDB-837906 CLAMP	8"	2-1/8	4"	3/4	3.1
	UDB-837907 SADDLE	1-1/2	1-3/4	4"	3/4	0.47
UDB-837910	UDB-837911 CLAMP	12"	2-3/4	6-1/4	1"	9.8
	UDB-837912 SADDLE	2-1/8	2-1/2	11"	1"	1.2

SET-UP WEDGES

FORGED STEEL 1045

Black Oxide

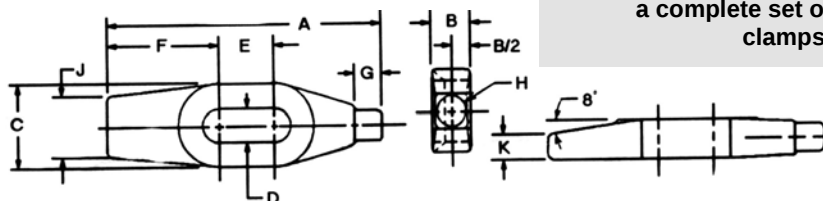
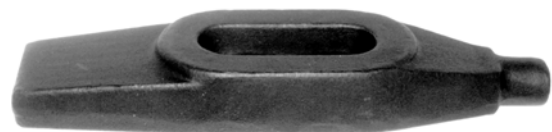
The Wedge is the extra assurance
tool used in most all set-ups.
The Set-Up Person's Tool!



These forged Work Holders will outlast the machines they are used on!

WEDGE PART NO.	A LENGTH	B WIDTH	C THICK END	WT. LBS.
UDB-837950	3.00	1"	1/4	0.13
UDB-837951	5.00	1"	1/2	0.31
UDB-837952	6.00	1-1/4	3/4	0.63

FINGER CLAMPS



Equip each machine with
a complete set of
clamps.

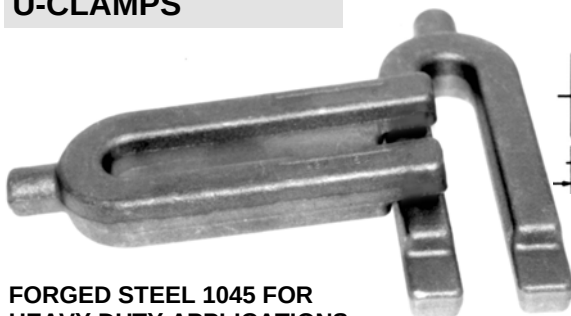
FORGED STEEL 1045 FOR
HEAVY DUTY APPLICATIONS

STRONG — DURABLE

Black Oxide

FINGER PART NO.	A LEN	B THICK	C WIDE	D SLOT	E TRAVEL	F FRONT	G FINGER	H DIA	J FRONT WIDTH	K THICK	WT. LBS.
UDB-837221	4"	3/4	1-5/8	11/16	11/16	1-21/32	1/2	1/2	1-3/16	7/16	.75
UDB-837223	6"	7/8	1-3/4	11/16	1-1/4	2-3/8	5/8	5/8	1-1/4	1/2	1.50
UDB-837225	8"	1-1/8	2-1/8	13/16	1-3/4	3-1/8	3/4	3/4	1-1/2	5/8	3.00

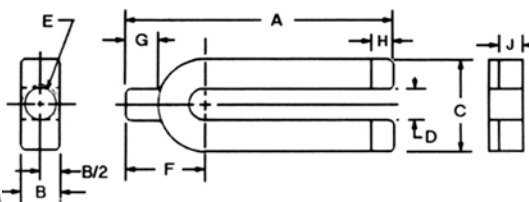
U-CLAMPS



FORGED STEEL 1045 FOR
HEAVY DUTY APPLICATIONS

STRONG — DURABLE

Black Oxide



Clamp Tips are stepped
to provide repetitive
clamping.
The open U makes
easier set-ups and
removals.

U-CLAMP PART NO.	A	B	C	D	E	F	G	H	J	WT. LBS.
UDB-837231	4"	3/4	1-3/4	11/16	9/16	1-7/16	9/16	1/2	1/2	1.00
UDB-837232	6"	7/8	2"	11/16	11/16	1-11/16	11/16	5/8	9/16	2.00
UDB-837233	8"	1-1/8	2-3/8	13/16	13/16	2"	13/16	3/4	11/16	4.00
UDB-837234	10"	1-1/4	2-3/4	15/16	15/16	2-5/16	15/16	7/8	3/4	6.50
UDB-837235	12"	1-3/8	3-1/4	1-1/16	1-1/16	2-11/16	1-1/16	1"	13/16	9.00

Automatic Reversible Cam Action Workholding Assemblies

**Reversible Cam Action
Workholding Assembly**

AUTOMATICALLY RELEASES AND RETRACTS CLAMP STRAP

AUTOMATIC REVERSIBLE ROLLER CAM ACTION ASSEMBLIES

Handle Lever is
adjustable
throughout 360°.



Handle may be
mounted on either side
of base.

Optional Spherical
Flange Nut
and Spherical Washer
allowing greater 'N'
length adjustment for
work piece variations.



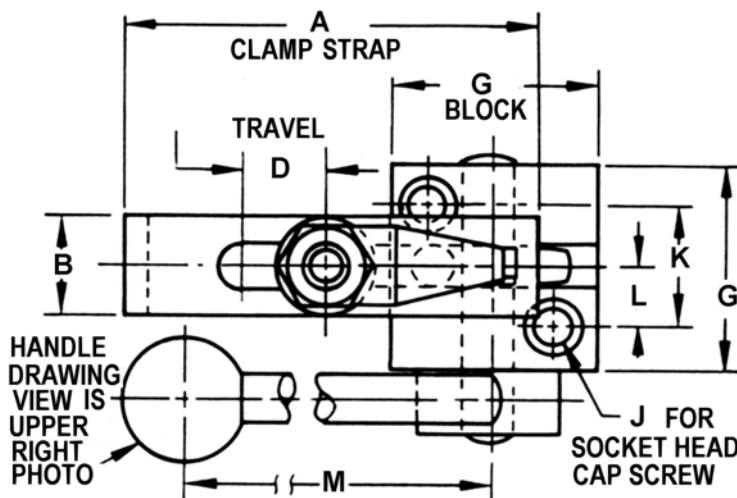
**Handle with
SPHERICAL WASHER**

All parts are standard, replaceable and available.
Add 'F' to Part No. for Flange Nut Style.

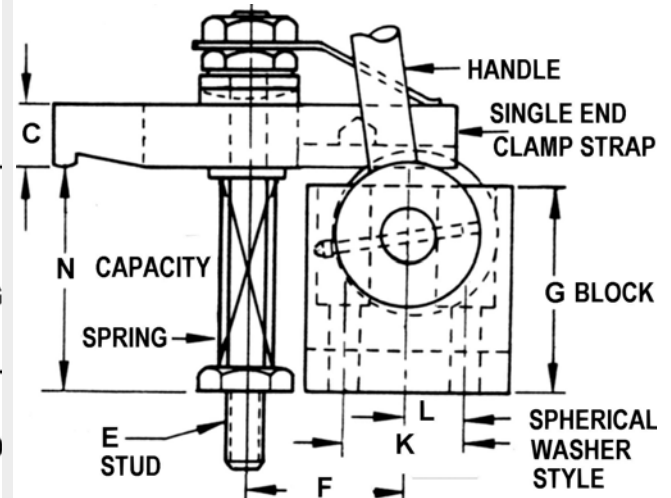
**Handle with
FLANGE NUT**

This Automatic Reversible Roller Cam Assembly can with one quick motion move in and down on the work piece. It can then release and withdraw freely with its cam action. The mounting block is secured by two screws in its base installation.

TOP VIEW WITH HANDLE DRAWING FOR FLANGE NUT STYLE



BOTTOM VIEW SPHERICAL WASHER STYLE



All machinery parts are manufactured from steel and hardened. Black Oxide finish per Mil-Spec CB 924A

PART NO. Add 'F' for Flange Nut	A Strap Length	B Strap Width	C Strap Height	D Travel	E Stud	F Centers Block/Stud	G Block Squared	J Socket Hd Cap Screw	K Cap Screw Loc.	L from Centers	M Handle Length	N Capacity
UDB-921400	2-1/2	5/8	3/8	1/2	1/4-20 x 2-7/8	1-1/32	1-1/4	#10	3/4	3/8	3"	1-3/8
UDB-921405	4-1/2	1-1/2	3/4	1"	5/8-11 x 5-3/4	2-1/16	2-1/2	5/16	1-1/2	3/4	6"	2-5/8
UDB-921410	5-1/2	1-1/2	3/4	1"	5/8-11 x 5-3/4	2-1/16	2-1/2	5/16	1-1/2	3/4	6"	2-5/8
UDB-921415	6"	1-1/2	3/4	1"	5/8-11 x 5-3/4	2-1/16	2-1/2	5/16	1-1/2	3/4	6"	2-5/8

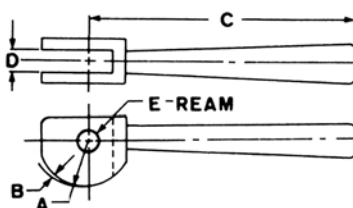
Clamp Assembly Components

Get A Hold With UNITED Components

DOUBLE CAM

Heat Treated Black Oxide Finish. Balanced Strong Action.
Use with single and double end center cam assemblies.

For matching Eye Bolts, refer to Clamp Assemblies.

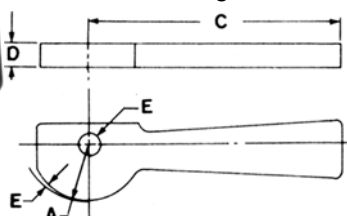
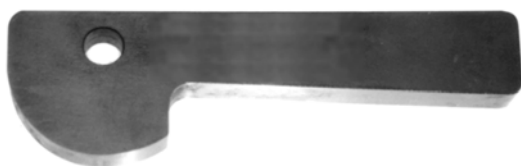


DOUBLE CAM	A	B	C	D	E
UDB-949005	9/16	1/16	2-1/2	1/4	3/16
UDB-949010	11/16	1/16	3-1/2	5/16	1/4
UDB-949012	3/4	3/32	4"	3/8	5/16
UDB-949015	15/16	7/64	5"	1/2	3/8
UDB-949020	1-3/16	9/64	5-3/8	5/8	5/8

SINGLE CAM

Heat Treated Black Oxide Finish
Use on End Cam Clamp Assemblies.

For matching End Clamp Straps, refer to Clamp Assemblies.



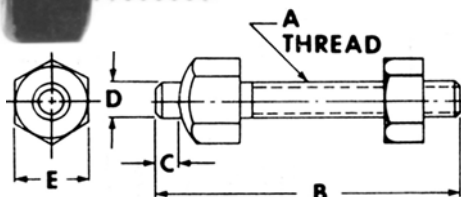
SINGLE CAM	A	B	C	D	E
UDB-949040	7/16	1/16	1-7/8	3/16	5/32
UDB-949045	5/8	1/16	2-3/4	1/4	1/4
UDB-949050	7/8	7/64	3-3/4	3/8	5/16
UDB-949055	1-1/16	9/64	4"	1/2	3/8

CLAMP REST

Use with single end clamp assemblies.
For matching single end clamp straps, refer to Clamp Assemblies.



Heat Treated
Black Oxide Finish

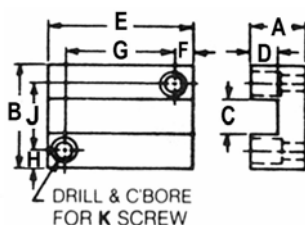
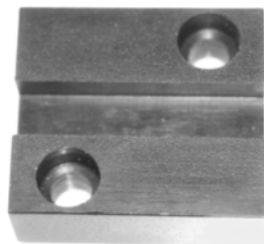


PART NO.	A	B	C	D	E
UDB-932200	1/4-20	1-1/4	1/8	5/32	7/16
UDB-932205	5/16-18	1-7/8	11/64	7/32	1/2
UDB-932210	5/16-18	3-1/4	11/64	7/32	1/2
UDB-932220	3/8-16	2-1/4	7/32	11/32	9/16
UDB-932225	3/8-16	3-7/8	7/32	11/32	9/16
UDB-932230	1/2-13	2-3/8	1/4	11/32	11/16
UDB-932235	1/2-13	3-7/8	1/4	11/32	11/16
UDB-932240	5/8-11	2-5/8	1/4	15/32	7/8
UDB-932245	5/8-11	3-7/8	1/4	15/32	7/8
UDB-932250	3/4-10	2-3/4	1/4	15/32	1-1/16
UDB-932255	3/4-10	3-7/8	1/4	15/32	1-1/16

CLAMP REST PLATE

Heat Treated
Black Oxide Finish

Use with end clamp or hand knob assemblies. Ready to install.



PART NO.	A	B	C	D	E	F	G	H	J	K	FITS STUD
UDB-946570	5/16	3/4	3/16	3/32	3/4	5/32	7/16	5/32	7/16	#5	#6-32, M4
UDB-946573	1/2	1"	1/4	3/16	1-1/2	7/16	5/8	3/16	5/8	#10	#10-32, M5
UDB-946576	1/2	1-1/2	5/16	3/16	1-7/8	7/16	1"	1/4	1"	1/4	1/4-20, M6
UDB-946579	1/2	1-1/2	5/16	3/16	2-3/8	7/16	1"	1/4	1"	1/4	1/4-20, M6
UDB-946582	1/2	1-1/2	3/8	1/4	1-7/8	7/16	1"	1/4	1"	1/4	5/16-18, M7-M8
UDB-946585	1/2	1-1/2	1/2	1/4	1-7/8	7/16	1"	1/4	1"	1/4	3/8-16, M8-M10
UDB-946587	5/8	1-3/4	1/2	1/4	2"	7/16	1-1/8	5/16	1-1/8	1/4	3/8-16, 1/2-13

CLAMP SPRING

Use with strap clamp



UNITED PART NO.	ID Fits Stud Size	Free Length Nominal
UDB-936005	1/4	5/8
UDB-936007	5/16	5/8
UDB-936010	5/16	1-1/2
UDB-936015	3/8	1-1/2
UDB-936020	1/2	1-1/2
UDB-936025	5/8	1-9/16
UDB-936030	3/4	1-3/4

Clamp Straps to Hold Your Fixture

Clamp Straps with Radius Noses

PART NO.	A	B	C	D	E	F	G	H
UDB-948400 UDB-948405	9/32	3/8	5/8	$\frac{2}{2-1/2}$	$\frac{1}{1-1/8}$	$\frac{1}{2}$	$\frac{3}{16}$	$\frac{1}{8}$
UDB-948410 UDB-948415 UDB-948420	11/32	1/2	1	$\frac{2-3/4}{3-1/4}$ $\frac{3-1/4}{3-3/4}$	1-1/2	$\frac{7/16}{13/16}$ $\frac{1-3/16}{1-3/16}$	1/4	3/16
UDB-948425 UDB-948430 UDB-948435 UDB-948440	13/32	5/8	1-1/4	$\frac{3}{4}$ $\frac{4}{5}$ $\frac{5}{6}$	$\frac{1-11/16}{2-3/16}$ $\frac{2-11/16}{3-1/16}$	$\frac{3/4}{1}$ $\frac{1-1/2}{2}$	3/8	9/32
UDB-948445 UDB-948450 UDB-948455 UDB-948460 UDB-948465	17/32	5/8	1-1/4	$\frac{4}{4-1/2}$ $\frac{5}{5-1/2}$ $\frac{6}{6}$	2-1/4	$\frac{1}{1-1/2}$	3/8	9/32
UDB-948470 UDB-948475 UDB-948480 UDB-948485	21/32	7/8	1-1/2	$\frac{4-1/2}{5}$ $\frac{5-1/2}{6}$	2-1/2	$\frac{1}{1-1/2}$	1/2	9/32
UDB-948520 UDB-948525 UDB-948530 UDB-948535	25/32	1	1-3/4	$\frac{6}{6-1/2}$ $\frac{7}{7-1/2}$	3-1/4	1-3/4	1/2	5/16

SINGLE END CLAMP STRAP

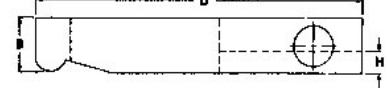
Heel Rest
Clamp with
Finger Grips
used in
Clamp
Assemblies.



SLOTTED
HEEL



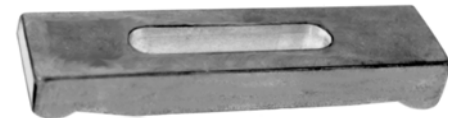
RADIUS
NOSE



PART NO.	A	B	C	D	E	F
UDB-948620 UDB-948625 UDB-948630 UDB-948635	13/32	5/8	1-1/4	$\frac{3}{4}$ $\frac{4}{5}$ $\frac{5}{6}$	$\frac{1}{1-1/2}$ $\frac{2}{2-1/2}$	1
UDB-948640 UDB-948645 UDB-948650 UDB-948655 UDB-948660	17/32	5/8	1-1/4	$\frac{4}{4-1/2}$ $\frac{5}{5-1/2}$ $\frac{6}{6}$	$\frac{1-1/2}{1-3/4}$ $\frac{2}{2-1/4}$ $\frac{2-1/2}{2-1/2}$	1
UDB-948665 UDB-948670 UDB-948675 UDB-948680	21/32	3/4	1-1/2	$\frac{4-1/2}{5}$ $\frac{5-1/2}{6}$	$\frac{1-5/8}{1-7/8}$ $\frac{2-1/8}{2-3/8}$	1-1/4
UDB-948710 UDB-948715 UDB-948720 UDB-948725	25/32	1	1-3/4	$\frac{6}{6-1/2}$ $\frac{7}{7-1/2}$	$\frac{2-1/8}{2-3/8}$ $\frac{2-5/8}{2-7/8}$	1-3/4

DOUBLE END CLAMP STRAP

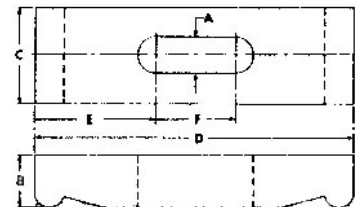
For clamping flat
pieces.



You can invert
and use for
round pieces in
V-Block.

Used on Double
End Strap Clamp
Assemblies.

DOUBLE
RADIUS
NOSE

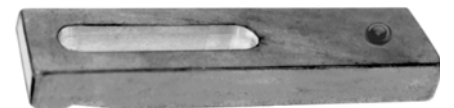


CENTER CLAMP

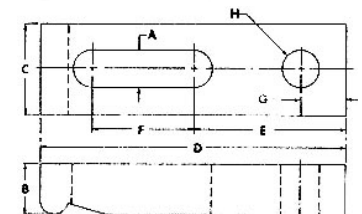
PART NO.	A	B	C	D	E	F	G	H
UDB-948005 UDB-948010	9/32	3/8	5/8	$\frac{2}{2-1/2}$	$\frac{1}{1-1/8}$	$\frac{1}{2}$	7/32	1/4-20
UDB-948015 UDB-948020 UDB-948025	11/32	1/2	1	$\frac{2-3/4}{3-1/4}$ $\frac{3-1/4}{3-3/4}$	1-1/2	$\frac{7/16}{13/16}$ $\frac{1-3/16}{1-3/16}$	9/32	5/16-18
UDB-948030 UDB-948035 UDB-948040 UDB-948045	13/32	5/8	1-1/4	$\frac{3}{4}$ $\frac{4}{5}$ $\frac{5}{6}$	$\frac{1-11/16}{2-3/16}$ $\frac{2-11/16}{3-1/16}$	$\frac{3/4}{1}$ $\frac{1-1/2}{2}$	5/16	3/8-16
UDB-948050 UDB-948055 UDB-948060 UDB-948065 UDB-948070	17/32	5/8	1-1/4	$\frac{4}{4-1/2}$ $\frac{5}{5-1/2}$ $\frac{6}{6}$	2-1/4	$\frac{1}{1-1/2}$	7/16	1/2-13
UDB-948075 UDB-948080 UDB-948085 UDB-948090	21/32	7/8	1-1/2	$\frac{4-1/2}{5}$ $\frac{5-1/2}{6}$	2-1/2	$\frac{1}{1-1/2}$	1/2	5/8-11

TAPPED END CLAMP STRAP

RADIUS
NOSE



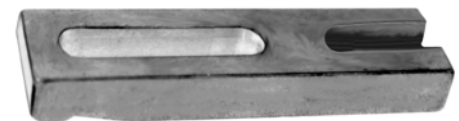
Use with End Hand
Knob Clamping
Assemblies.
A Tapped Heel
Strap.



Class 2B Threads.

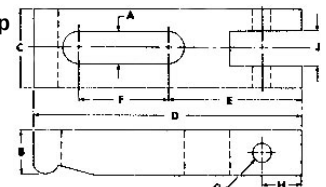
PART NO.	A	B	C	D	E	F	G	H	J
UDB-948205 UDB-948210	9/32	3/8	5/8	$\frac{2}{2-1/2}$	$\frac{1}{1-1/8}$	$\frac{1}{2}$	5/32	3/16	3/16
UDB-948215 UDB-948220 UDB-948225	11/32	1/2	1	$\frac{2-3/4}{3-1/4}$ $\frac{3-1/4}{3-3/4}$	1-1/2	$\frac{7/16}{13/16}$ $\frac{1-3/16}{1-3/16}$	1/4	1/4	1/4
UDB-948230 UDB-948235 UDB-948240 UDB-948245 UDB-948250	17/32	5/8	1-1/4	$\frac{4}{4-1/2}$ $\frac{5}{5-1/2}$ $\frac{6}{6}$	2-1/4	1	5/16	5/16	3/8
UDB-948255 UDB-948260 UDB-948265 UDB-948270	21/32	3/4	1-1/2	$\frac{4-1/2}{5}$ $\frac{5-1/2}{6}$	2-1/2	$\frac{1}{1-3/8}$	3/8	3/8	1/2

END CAM CLAMP STRAP



Slotted Heel Strap
used in
End Clamp
Assemblies.

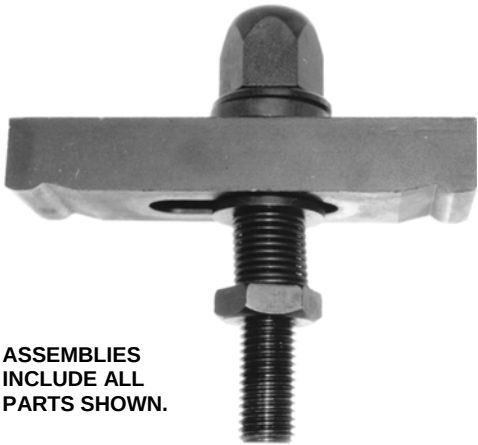
RADIUS
NOSE



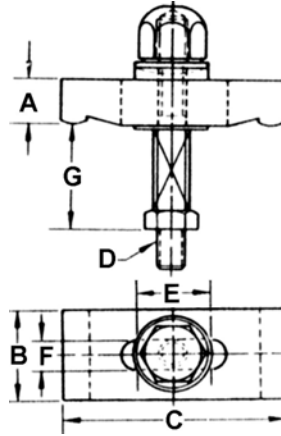
Double End Clamp Assemblies

Instant Double End Clamping Assemblies

DOUBLE END ACORN NUT CENTER CLAMPS



ASSEMBLIES
INCLUDE ALL
PARTS SHOWN.



ACORN NUT protects stud while clamp holds from either side. The Spherical Washers permit clamping of uneven work piece. Spring loaded stud offers instant release.

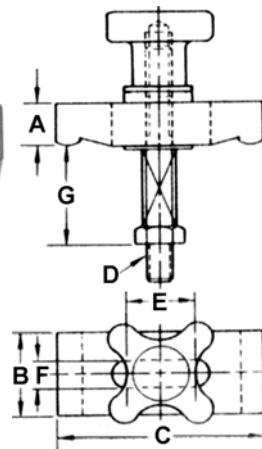
UNITED ADVANTAGES and FEATURES:

- Double End Clamp Assemblies used for flat work or inverted to hold round work pieces in the V-groove.
- Provides simultaneous clamping of two parts.
- Clamps rotate freely for easy part removal.
- All parts interchangeable.
- Components may be added.
- Add Nylon Cap when clamping soft materials.
- Stable clamping on milling, boring & drilling machines.
- Quick sure set-ups on short runs.
- See next page for more.

DOUBLE END HAND KNOB CENTER CLAMPS



ASSEMBLIES
INCLUDE ALL
PARTS SHOWN.



HAND KNOB tightens two work surfaces at one time. Spring loaded stud instantly releases work pieces. Spherical Washers permit clamping uneven parts by hand.

Select any assembly on right and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions. Ex: UDB-920720-BKSWS

DOUBLE END ACORN NUT ASSEMBLY	DOUBLE END HAND KNOB ASSEMBLY	A	B	C	D	E	F	Cap. G
UDB-920420	UDB-920720	5/8	1-1/4	3	3/8-16	1	13/32	1-5/8
UDB-920422	UDB-920722			4				
UDB-920424	UDB-920724			5				
UDB-920426	UDB-920726			6				
UDB-920430	UDB-920730	5/8	1-1/4	4	1/2-13	1	17/32	1-5/8
UDB-920432	UDB-920732			4-1/2				
UDB-920434	UDB-920734			5				
UDB-920436	UDB-920736			5-1/2				
UDB-920438	UDB-920738			6				
UDB-920442	UDB-920742	3/4	1-1/2	4-1/2	5/8-11	1-1/4	21/32	1-3/4
UDB-920444	UDB-920744			5				
UDB-920446	UDB-920746			5-1/2				
UDB-920448	UDB-920748			6				
UDB-920450	UDB-920750	1	1-3/4	6	3/4-10	1-3/4	25/32	2
UDB-920452	UDB-920752			6-1/2				
UDB-920454	UDB-920754			7				
UDB-920456	UDB-920756			7-1/2				

CLAMP ASSEMBLY TYPES AVAILABLE	
SNW Spherical Flange Nut & Washer	
FN Flange Nut	
NSWS Nut & Spherical	
HKSWS Hand Knob & Spherical Washer Set	
ANSWS Acorn Nut & Spherical Washer Set	
BKSWS Bar Knob & Spherical Washer Set	
FNSWS Flange Nut & Spherical Washer Set	
KK Knurled Knob	
KKSWS Knurled Knob & Spherical Washer Set	
QAHKSWS Quick Acting Hand Knob & Spherical Washer Set	

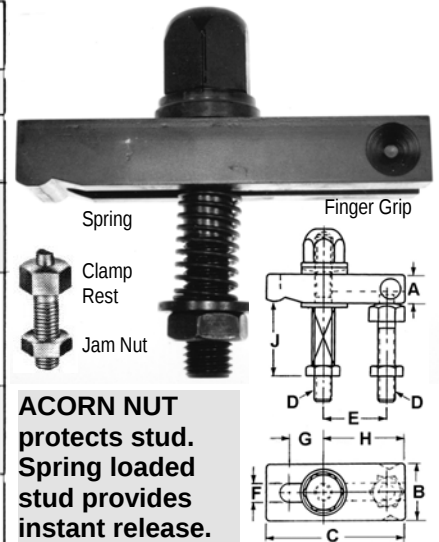
Instant Single End Clamping Assemblies

Single End Clamp Assemblies

ALL ASSEMBLIES HAVE SLOTTED HEELS and INCLUDE ALL PARTS SHOWN.

SINGLE END ACORN NUT

Acorn Nut Clamp Assembly	Hex Nut Clamp Assembly	Center Hand Knob Clamp Assembly	A	B	C	D Thread	E	F	G Travel	H	J Capacity
UDB-920205 UDB-920207	UDB-920005 UDB-920007	UDB-920105 UDB-920107	3/8 ↓	5/8 ↓	2 2-1/2	1/4-20 ↓	15/16 ↓	9/32 ↓	1/2 ↓	1 1-1/8	7/8 ↓
UDB-920210 UDB-920212 UDB-920214	UDB-920010 UDB-920012 UDB-920014	UDB-920110 UDB-920112 UDB-920114	1/2 ↓	1 ↓	2-3/4 3-1/4 3-3/4	5/16-18 ↓	1-1/4 ↓	11/32 ↓	7/16 13/16 1-3/16	1-1/2 ↓	1-1/8 ↓
UDB-920220 UDB-920222 UDB-920224 UDB-920226	UDB-920020 UDB-920022 UDB-920024 UDB-920026	UDB-920120 UDB-920122 UDB-920124 UDB-920126	5/8 ↓	1-1/4 ↓	3 4 5 6	3/8-16 ↓	1-3/8 1-7/8 2-3/8 2-7/8	13/32 ↓	3/4 1 1-1/2 2	1-3/4 2-1/4 2-3/4 3-1/4	1-5/8 ↓
UDB-920230 UDB-920232 UDB-920234 UDB-920236 UDB-920238	UDB-920030 UDB-920032 UDB-920034 UDB-920036 UDB-920038	UDB-920130 UDB-920132 UDB-920134 UDB-920136 UDB-920138	5/8 ↓	1-1/4 ↓	4 4-1/2 5 5-1/2 6	1/2-13 ↓	1-7/8 ↓	17/32 ↓	1 1-1/2 ↓	2-1/4 ↓	1-5/8 ↓
UDB-920242 UDB-920244 UDB-920246 UDB-920248	UDB-920042 UDB-920044 UDB-920046 UDB-920048	UDB-920142 UDB-920144 UDB-920146 UDB-920148	7/8 ↓	1-1/2 ↓	4-1/2 5 5-1/2 6	5/8-11 ↓	2 ↓	21/32 ↓	1 1-1/2 ↓	2-1/2 ↓	1-3/4 ↓
UDB-920250 UDB-920252 UDB-920254 UDB-920256	UDB-920050 UDB-920052 UDB-920054 UDB-920056	UDB-920150 UDB-920152 UDB-920154 UDB-920156	1 ↓	1-3/4 ↓	6 6-1/2 7 7-1/2	3/4-10 ↓	2-5/8 ↓	25/32 ↓	1-3/4 ↓	3-1/4 ↓	2 ↓



UNITED ADVANTAGES and FEATURES:

• Finger Grips and Single End Clamp Assemblies

simplify lateral adjustments.

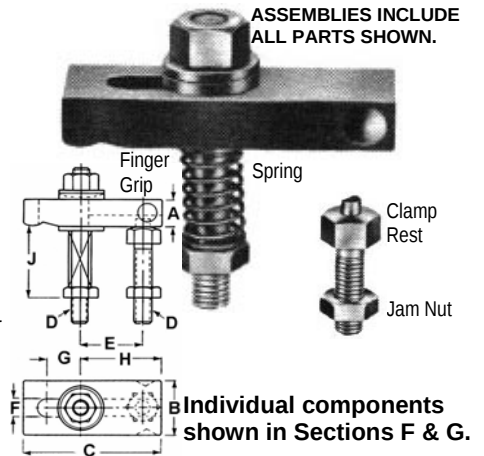
- Cuts machine down time.
- Eliminates tedious tightening of strap clamps one at a time
- All parts except springs, jam nuts and knobs are heat treated material and have black oxide finish.
- Spherical Washers adjust the irregularities between clamp strap and the part being held which assures a rigid hold down.
- Long-life Springs manufactured to QQ-W-470A.
- Individual components are shown in Sections F and G.
- Stable clamping with dependable holding power.
- Fast set-ups.
- Economical and practical.
- Determine specific sizes via dimensional drawings.
- See previous page for more features.

CLAMP ASSEMBLY TYPES AVAILABLE	
SNW Spherical Flange Nut & Washer	
FN Flange Nut	
NSWS Nut & Spherical Washer Set	
HKSWS Hand Knob & Spherical Washer Set	
ANSWS Acorn Nut & Spherical Washer Set	
BKSWS Bar Knob & Spherical Washer Set	
FNSWS Flange Nut & Spherical Washer Set	
KK Knurled Knob	
KKSWS Knurled Knob & Spherical Washer Set	
QAHKSWS Quick Acting Hand Knob & Spherical Washer Set	

SINGLE END HEX NUT CLAMPS

HEX NUT is the most economical means of holding with maximum pressure and adjusting for maximum clamping range. Sometimes referred to as Heel Clamp Assembly. Provides visual assurance of thread engagement.

← Select any assembly on far left and add the suffix letters in bold to the part number and we will fax you details of the assembly items together with prices and dimensions. Ex: UDB-920005-BKSWS

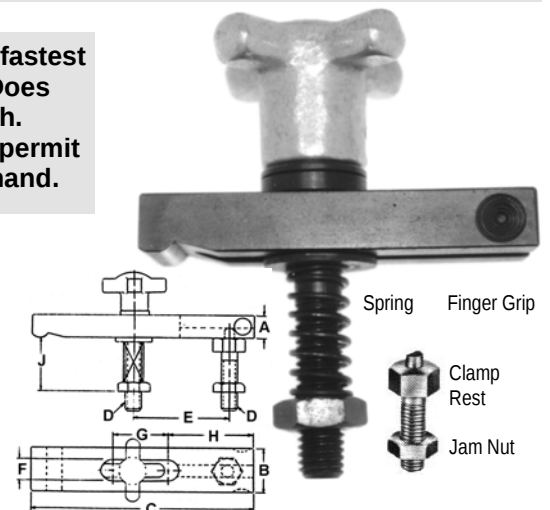


SINGLE END HAND KNOB CENTER CLAMPS

HAND KNOB is the fastest adjustment style. Does not require a wrench. Spherical Washers permit clamping parts by hand.

Determine specific sizes via individual dimensional drawings and the chart above.

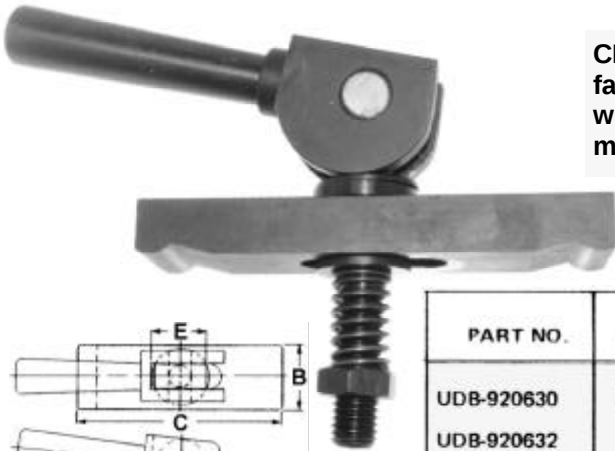
ASSEMBLIES INCLUDE ALL PARTS SHOWN.



Center Cam Clamp Assemblies

Center Cam Instant Clamping Assemblies

DOUBLE END CENTER CAM



ASSEMBLIES
INCLUDE ALL
PARTS SHOWN.

CENTER CAM DOUBLE END combines the fast action feature of the fast actuated cam with easy installation, free rotation and simultaneous double clamping advantages.

Individual clamp components are shown in Sections F and G.

PART NO.	A	B	C	D Thread	E Travel	F Capacity
UDB-920630	5/8	1-1/4	4	1/2-13	1	1-3/8
UDB-920632	↓	↓	4-1/2	↓	↓	↓
UDB-920634	↓	↓	5	↓	↓	↓
UDB-920636	↓	↓	5-1/2	↓	↓	↓
UDB-920638	↓	↓	6	↓	↓	↓
UDB-920642	3/4	1-1/2	4-1/2	5/8-11	1-1/4	1-5/8
UDB-920644	↓	↓	5	↓	↓	↓
UDB-920646	↓	↓	5-1/2	↓	↓	↓
UDB-920648	↓	↓	6	↓	↓	↓

CLAMP ASSEMBLY TYPES AVAILABLE

SNW
Spherical Flange Nut & Washer

FN
Flange Nut

NSWS
Nut & Spherical Washer Set

HKSWS
Hand Knob & Spherical Washer Set

ANSWS
Acorn Nut & Spherical Washer Set

BKSWS
Bar Knob & Spherical Washer Set

FNSWS
Flange Nut & Spherical Washer Set

KK
Knurled Knob

KKWS
Knurled Knob & Spherical Washer Set

QAHKSWS
Quick Acting Hand Knob & Spherical Washer Set

SINGLE END CENTER CAM CLAMPS WITH SLOTTED HEEL



Spherical Washer
Spring
Clamp Rest
Jam Nut

ASSEMBLIES
INCLUDE ALL
PARTS SHOWN.

SINGLE END CENTER CAM has spring loaded stud for instant release of work pieces. All clamps shown here are manufactured from heat treated steel with black oxide

Select any assembly above on far right and add the suffix letters in bold to the part number and we will fax you details of the assembly items together with prices and dimensions.
Ex: UDB-920305-BKSWS

PART NO.	A	B	C	D Thread	E	F	G Travel	H	J Capacity
UDB-920305	3/8	5/8	2	1/4-20	15/16	9/32	1/2	1	5/8
UDB-920307	↓	↓	2-1/2	↓	↓	↓	↓	1-1/8	↓
UDB-920310	1/2	1	2-3/4	5/16-18	1-1/4	11/32	7/16	1-1/2	1-1/8
UDB-920312	↓	↓	3-1/4	↓	↓	↓	13/16	↓	↓
UDB-920314	↓	↓	3-3/4	↓	↓	↓	1-3/16	↓	↓
UDB-920320	5/8	1-1/4	3	3/8-16	1-3/8	13/32	3/4	1-3/4	1-1/2
UDB-920322	↓	↓	4	↓	1-7/8	↓	1	2-1/4	↓
UDB-920324	↓	↓	5	↓	2-3/8	↓	1-1/2	2-3/4	↓
UDB-920326	↓	↓	6	↓	2-7/8	↓	2	3-1/4	↓
UDB-920330	5/8	1-1/4	4	1/2-13	1-7/8	17/32	1	2-1/4	1-3/8
UDB-920332	↓	↓	4-1/2	↓	↓	↓	1-1/2	↓	↓
UDB-920334	↓	↓	5	↓	↓	↓	↓	↓	↓
UDB-920336	↓	↓	5-1/2	↓	↓	↓	↓	↓	↓
UDB-920338	↓	↓	6	↓	↓	↓	↓	↓	↓
UDB-920342	7/8	1-1/2	4-1/2	5/8-11	2	21/32	1-1/2	2-1/2	1-5/8
UDB-920344	↓	↓	5	↓	↓	↓	↓	↓	↓
UDB-920346	↓	↓	5-1/2	↓	↓	↓	↓	↓	↓
UDB-920348	↓	↓	6	↓	↓	↓	↓	↓	↓

Tapped and Slotted Heel Instant End Clamping Assemblies

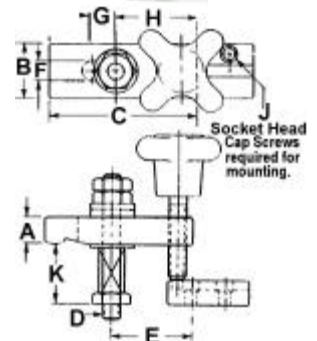
End Clamp
Assemblies

END HAND KNOB CLAMPS WITH TAPPED HEEL

END HAND KNOB quickly actuates clamping and releasing. Pressure is limited to hand tightening. Rest plate provides a positive seat for the retracting. Screw. Parts are heat treated and black oxide. Hand Knobs cadmium plated cast iron.

ALL ASSEMBLIES HAVE TAPPED HEEL and INCLUDE ALL PARTS SHOWN.

PART NO.	A	B	C	D Thread	E	F	G Travel	H	J	K Capacity
UDB-920905 UDB-920907	3/8	5/8	2 2-1/2	1/4-20	15/16	9/32	1/2	1 1-1/8	#5	5/8
UDB-920910 UDB-920912 UDB-920914	1/2	1	2-3/4 3-1/4 3-3/4	5/16-18	1-1/2	11/32	7/16 13/16 1-3/16	1-1/2	#10	1-1/8
UDB-920920 UDB-920922 UDB-920924 UDB-920926	5/8	1-1/4	3 4 5 6	3/8-16	1-1/2 2 2-1/2 3	13/32	3/4 1 1-1/2 2	1-11/16 2-3/16 2-11/16 3-3/16	1/4	1-5/16
UDB-920930 UDB-920932 UDB-920934 UDB-920936 UDB-920938	5/8	1-1/4	4 4-1/2 5 5-1/2 6	1/2-13	1-7/8	17/32	1 1-1/2	2-1/4	1/4	1-5/16
UDB-920942 UDB-920944 UDB-920946 UDB-920948	7/8	1-1/2	4-1/2 5 5-1/2 6	5/8-11	1-7/8	21/32	1 1-1/2	2-1/2	1/4	1-3/4



Individual clamp assemblies available below.

Individual clamp components are shown in Sections F and G.

UNITED CLAMP ASSEMBLY TYPES AVAILABLE									
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWS Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHSWS Quick Acting Hand Knob & Spherical Washer Set

Select any assembly above and add the suffix letters in bold to the part number and we will fax you details of the assembly items together with prices and dimensions. Ex: UDB-920805-BKSWS

END CAM CLAMPS WITH SLOTTED HEEL AND TAPPED CROSS HOLES

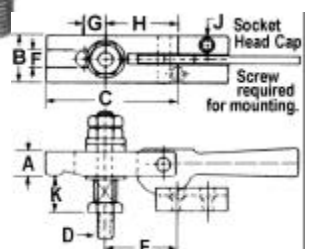
END CAM CLAMP is a fast action stable assembly. Sometimes referred to as a Slotted Heel Cam Action assembly. A durable positive maximum hand pressure clamp.

ALL ASSEMBLIES HAVE SLOTTED HEEL WITH TAPPED CROSS HOLES.

PART NO.	A	B	C	D Thread	E	F	G Travel	H	J	K Capacity
UDB-920805 UDB-920807	3/8	5/8	2 2-1/2	1/4-20	15/16	9/32	1/2	1 1-1/8	#5	7/16
UDB-920810 UDB-920812 UDB-920814	1/2	1	2-3/4 3-1/4 3-3/4	5/16-18	1-1/2	11/32	7/16 13/16 1-3/16	1-1/2	#10	3/4
UDB-920830 UDB-920832 UDB-920834 UDB-920836 UDB-920838	5/8	1-1/4	4 4-1/2 5 5-1/2 6	1/2-13	1-7/8	17/32	1	2-1/4	1/4	13/16
UDB-920842 UDB-920844 UDB-920846 UDB-920848	3/4	1-1/2	4-1/2 5 5-1/2 6	5/8-11	1-7/8	21/32	1 1-3/8	2-1/2	1/4	1-1/16



ASSEMBLIES INCLUDE ALL PARTS SHOWN.



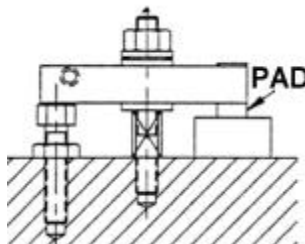
Padded Heel Strap Clamps

Slotted and Tapped Heel Padded Strap Clamps

SLOTTED HEEL STEEL-PADDED STRAP CLAMPS



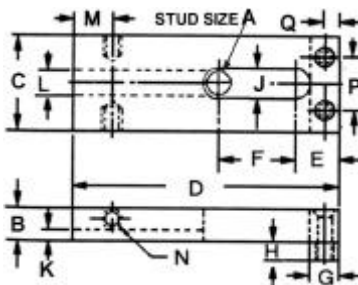
**STRONG — DURABLE
ECONOMICAL**



- FEATURING:**
- REPLACEABLE STEEL PAD FASTENED WITH TWO PROVIDED SCREWS
 - SUPPORT SLOTS
 - FINGER THREADED FOR HANDLES

**Black Oxide Finish — 1018 Steel
Carburized and Hardened**

**PLASTIC AND BRASS PADS
AVAILABLE SEPARATELY.
SEE BELOW.**



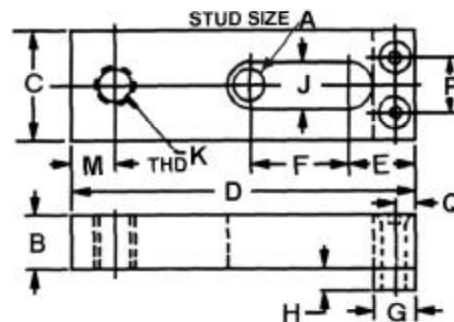
PART NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
UCC-935150	1/4-20, M6	3/8	5/8	2"	3/8	5/8	1/4	1/8	9/32	1/8	1/4			11/32	9/64
UCC-935152	3/8-16, M10	5/8	1-1/4	3-1/2	11/16	1-1/8	1/2	1/4	27/64	9/32	3/8	1/2	5/16-18	5/8	1/4
UCC-935154	3/8-16, M10	5/8	1-1/4	4-1/2	11/16	1-5/8	1/2	1/4	27/64	9/32	3/8	1/2	5/16-18	5/8	1/4
UCC-935156	1/2-13, M12	3/4	1-1/2	4-1/2	7/8	1-1/4	5/8	3/8	17/32	9/32	3/8	1/2	5/16-18	3/4	5/16
UCC-935158	1/2-13, M12	3/4	1-1/2	6"	7/8	2"	5/8	3/8	17/32	9/32	3/8	1/2	5/16-18	3/4	5/16

TAPPED HEEL STEEL-PADDED STRAP CLAMPS



Black Oxide

**1018 Steel
Carburized
and Hardened**



**FEATURING
REPLACEABLE STEEL PAD
FASTENED WITH TWO
PROVIDED SCREWS**

**PLASTIC AND BRASS PADS
AVAILABLE SEPARATELY**

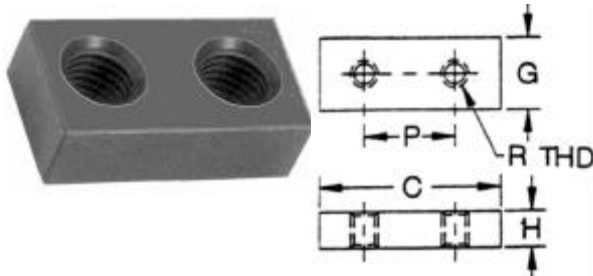
STRONG — DURABLE — ECONOMICAL

PART NO.	A	B	C	D	E	F	G	H	J	K	M	P	Q
UCC-935170	1/4-20	3/8	5/8	2"	3/8	5/8	1/4	1/8	9/32	1/4-20	7/32	11/32	9/64
UCC-935172	5/16-18	1/2	7/8	2-1/2	9/16	3/4	3/8	3/16	11/32	5/16-18	1/4	1/2	3/16
UCC-935174	5/16-18	1/2	7/8	2-1/2	9/16	1-1/4	3/8	3/16	11/32	5/16-18	1/4	1/2	3/16
UCC-935176	3/8-16	5/8	1-1/4	3-1/2	11/16	1-1/8	1/2	1/4	27/64	3/8-16	1/2	5/8	1/4
UCC-935178	3/8-16	5/8	1-1/4	4-1/2	11/16	1-5/8	1/2	1/4	27/64	3/8-16	1/2	5/8	1/4
UCC-935180	1/2-13	3/4	1-1/2	4-1/2	7/8	1-1/4	5/8	3/8	17/32	1/2-13	1/2	3/4	5/16
UCC-935182	1/2-13	3/4	1-1/2	6"	7/8	2"	5/8	3/8	17/32	1/2-13	1/2	3/4	5/16

STRAP CLAMP REPLACEMENT PADS

**REPLACEMENT PADS
STEEL — PLASTIC — BRASS
FOR ABOVE SLOTTED HEEL AND TAPPED STRAP CLAMPS**

USE PLASTIC OR BRASS FOR CRITICAL SURFACES.



STEEL PAD PART NO.	PLASTIC PAD PART NO.	BRASS PAD PART NO.	STUD SIZE	C	G	H	P	R THD
UCC-935190	UCC-935198	UCC-935206	1/4-20	5/8	1/4	1/8	11/32	#5-40
UCC-935192	UCC-935200	UCC-935208	5/16-18	7/8	3/8	3/16	1/2	#8-32
UCC-935194	UCC-935202	UCC-935210	3/8-16	1-1/4	1/2	1/4	5/8	#10-24
UCC-935196	UCC-935204	UCC-935212	1/2-13	1-1/2	5/8	3/8	3/4	1/4-20

Stainless Clamping Tooling Studs, Clamp Supports, Knurled Knobs and Screws

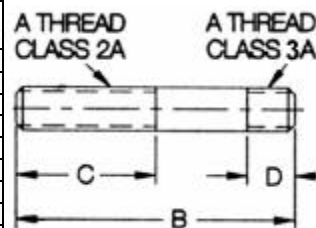
Stainless
Clamp Parts

FIXTURE STUDS STRONG STAINLESS CLAMPING STUDS

STANDARD 300 SERIES STAINLESS STEEL FIXTURE SET-UP STUDS
SPECIALS PER ORDER

UNITED PART NO.	A THD SIZE	B OAL	C NUT FIT	D STUD FIT	UNITED PART NO.	A THD SIZE	B OAL	C NUT FIT	D STUD FIT
UDB-940860S	#10-24	1"	1/2	7/32	UDB-940876S	1/4-20	2-1/2	3/4	9/32
UDB-940862S	#10-24	1-1/2	3/4	7/32	UDB-940878S	1/4-20	3"	1"	9/32
UDB-940864S	#10-24	2"	3/4	7/32	UDB-940880S	5/16-18	1-1/2	5/8	11/32
UDB-940866S	#10-32	1"	1/2	7/32	UDB-940882S	5/16-18	2"	1"	11/32
UDB-940868S	#10-32	1-1/2	3/4	7/32	UDB-940884S	5/16-18	2-1/2	1-1/4	11/32
UDB-940870S	#10-32	2"	3/4	7/32	UDB-940886S	3/8 16	1-1/2	3/4	11/32
UDB-940872S	1/4-20	1-1/2	5/8	9/32	UDB-940888S	3/8 16	2-1/2	1-1/4	11/32
UDB-940874S	1/4-20	2"	3/4	9/32	UDB-940890S	3/8 16	3"	1-3/8	11/32
					UDB-940892S	3/8 16	4"	1-1/2	11/32

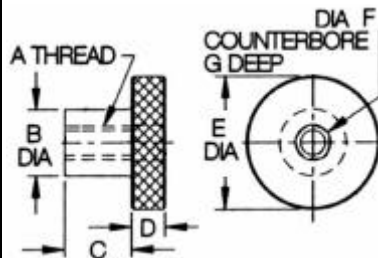
STAINLESS STEEL STUDS



UNITED PART NO.	A THD SIZE	B O.D. DIA	C LEN	D HD THICK	E HD DIA	F DIA C'BORE	G DEPTH C'BORE
UDB-916312S	#10-24	3/8	1/4	3/16	1/2	N/A	N/A
UDB-916314S	#10-24	3/8	1/4	3/16	1"	N/A	N/A
UDB-916316S	#10-24	3/8	1/2	3/16	1/2	13/64	1/4
UDB-916322S	#10-24	3/8	1/2	3/16	1"	13/64	1/4
UDB-916324S	#10-32	3/8	1/4	3/16	1/2	N/A	N/A
UDB-916326S	#10-32	3/8	1/4	3/16	1"	N/A	N/A
UDB-916328S	#10-32	3/8	1/2	3/16	1/2	13/64	1/4
UDB-916330S	#10-32	3/8	1/2	3/16	1"	13/64	1/4
UDB-916332S	1/4-20	1/2	1/4	1/4	3/4	N/A	N/A
UDB-916334S	1/4-20	1/2	1/4	1/4	1"	N/A	N/A
UDB-916336S	1/4-20	1/2	1/2	1/4	1"	17/64	1/4
UDB-916338S	1/4-20	1/2	3/4	1/4	1"	17/64	1/2
UDB-916340S	5/16-18	5/8	1/2	5/16	1-1/4	21/64	1/4
UDB-916342S	5/16-18	5/8	3/4	5/16	1-1/4	21/64	1/2
UDB-916344S	3/8 16	3/4	1/2	3/8	1-1/4	25/64	1/4
UDB-916346S	3/8 16	3/4	3/4	3/8	1-1/4	25/64	1/2

STAINLESS KNURLED KNOBS

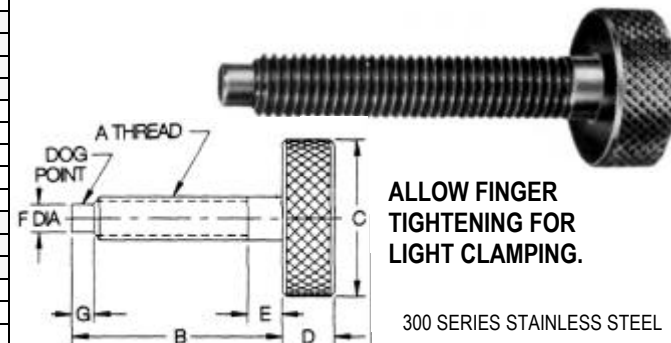
FOR FAST TIGHTENING OF STUDS
AND FIXTURE THREADED PINS



300 SERIES STAINLESS STEEL

UNITED PART NO.	A THD SIZE	B LENGTH	C DIA	D HD THICK	E RELIEF LEN	F DOG POINT DIA	G POINT LENGTH
UDB-923200S	#10-32	3/4	1/2	3/16	1/8	1/8	3/32
UDB-923202S	#10-32	1"	1/2	3/16	1/8	1/8	3/32
UDB-923204S	#10-32	1-1/4	1/2	3/16	1/8	1/8	3/32
UDB-923206S	#10-32	1-1/2	1/2	3/16	1/8	1/8	3/32
UDB-923208S	1/4-20	3/4	1"	5/16	1/8	5/32	1/8
UDB-923210S	1/4-20	1"	1"	5/16	1/8	5/32	1/8
UDB-923212S	1/4-20	1-1/4	1"	5/16	1/8	5/32	1/8
UDB-923214S	1/4-20	1-1/2	1"	5/16	1/8	5/32	1/8
UDB-923216S	1/4-20	2"	1"	5/16	1/8	5/32	1/8
UDB-923218S	5/16-18	1-1/2	1-1/8	3/8	3/16	13/64	5/32
UDB-923220S	5/16-18	2"	1-1/8	3/8	3/16	13/64	5/32
UDB-923222S	5/16-18	2-1/2	1-1/8	3/8	3/16	13/64	5/32
UDB-923224S	3/8 16	2"	1-1/4	7/16	3/16	1/4	1/4
UDB-923226S	3/8 16	2-1/2	1-1/4	7/16	3/16	1/4	1/4
UDB-923228S	3/8 16	3"	1-1/4	7/16	3/16	1/4	1/4

STAINLESS KNURLED HEAD SCREWS



ALLOW FINGER
TIGHTENING FOR
LIGHT CLAMPING.

300 SERIES STAINLESS STEEL

300 SERIES STAINLESS STEEL

STAINLESS CLAMP SCREWS — REAR SUPPORT

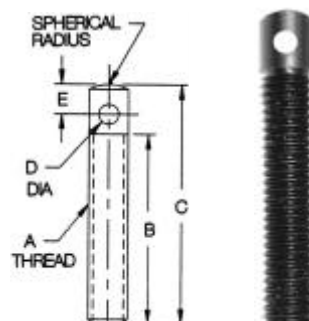
PART NO.	A THD	B	C	D DIA	E
UDB-930670S	#10-32	1/2	3/4	3/32	1/8
UDB-930672S		3/4	1"		
UDB-930674S		1-1/4	1-1/2		
UDB-930676S	1/4 20	11/16	1"	1/8	3/16
UDB-930678S		1-3/16	1-1/2		
UDB-930680S		1-7/16	1-3/4		
UDB-930682S	5/16-18	7/8	1-1/4	5/32	3/16
UDB-930684S		1-1/8	1-1/2		
UDB-930686S		1-5/8	2"		
UDB-930688S	3/8 16	1-1/8	1-1/2	3/16	3/16
UDB-930690S		1-3/8	1-3/4		
UDB-930692S		2-3/8	2-3/4		

REAR SUPPORT CLAMP
SCREWS HAVE
SPHERICAL HEAD.

DRILL HOLE ALLOWS
TURNING WITH A PIN.

USE UP OR DOWN.

300 SERIES STAINLESS STEEL



Stainless Clamping Components

Stainless Clamping Components Clamp Springs, Hex and Jam Nuts

STAINLESS CLAMP SPRINGS



STANDARD CLAMP SPRINGS HAVE CLOSED ENDS.

LENGTHS AVAILABLE FROM 5/16" TO 10" LENGTHS IN ONE INCH INCREMENTS. CUSTOM LENGTHS HAVE OPEN ENDS.

STRONG STAINLESS CLAMP SPRINGS

HOLD CLAMP STRAPS
FOR CLEAN LOADING

STANDARD 303 SERIES STAINLESS STEEL FIXTURE SET-UP SPRINGS

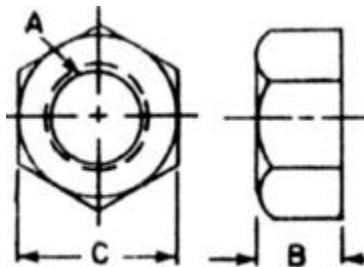
UNITED PART NO.	FITS STUD SIZE	A DIA	B LEN	C WIRE DIA	NO. OF COILS
UDB-936050SS	#10-32 & M5	13/64	.7	.042	5-1/2
UDB-936055SS	1/4-20 & M6	17/64	.7	.042	5-1/2
UDB-936060SS	5/16-18 & M8	21/64	.7	.049	5
UDB-936065SS	3/8 16 & M10	13/32	1.0	.049	7

STAINLESS HEX NUTS

300 SERIES STAINLESS WITH PASSIVATED FINISH



HEAVY DUTY



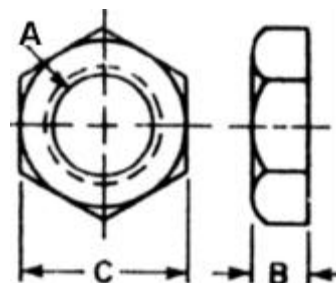
UNITED HEAVY DUTY HEX NUTS ARE PRECISION MACHINED.

STEEL IS HEAT TREATED TO OUTLAST COMPETITIVE STANDARD NUTS IN REPETITIOUS OPERATIONS.

STAINLESS PART NO.	STEEL PART NO.	A THD SIZE	B THICK	C HEX
UDB-925348S		1/4-28	7/32	7/16
UDB-925350S	UDB-925350	1/4-20	1/4	1/2
UDB-925352S		5/16-24	17/64	1/2
UDB-925355S	UDB-925355	5/16-18	5/16	9/16
UDB-925357S		3/8 24	21/64	9/16
UDB-925360S	UDB-925360	3/8 16	3/8	11/16
UDB-925362S		1/2-20	7/16	3/4
UDB-925365S	UDB-925365	1/2-13	1/2	7/8
UDB-925370S	UDB-925370	5/8-11	5/8	1-1/16
UDB-925375S	UDB-925375	3/4-10	3/4	1-1/4
	UDB-925380	7/8-9	7/8	1-7/16
	UDB-925385	1 8	1"	1-5/8

STAINLESS HEX JAM NUTS

USE FOR LOCK NUTS AND
LIGHT DUTY APPLICATIONS.



300 SERIES STAINLESS HAVE PASSIVATED FINISH.

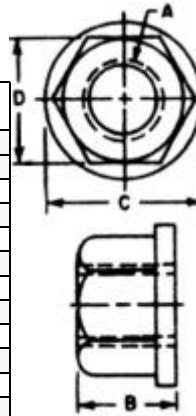
12L14 STEEL IS HEAT TREATED WITH BLACK OXIDE FINISH.

STAINLESS PART NO.	STEEL PART NO.	A THD SIZE	B THICK	C HEX
UDB-925392S		#10-32	1/8	3/8
UDB-925395S		#10-24	1/8	3/8
UDB-925397S		1/4-28	5/32	7/16
UDB-925400S	UDB-925400	1/4-20	11/64	1/2
UDB-925402S		5/16-24	3/16	1/2
UDB-925405S	UDB-925405	5/16-18	13/64	9/16
UDB-925407S		3/8 24	7/32	9/16
UDB-925410S	UDB-925410	3/8 16	15/64	11/16
UDB-925415S	UDB-925415	1/2-13	19/64	7/8
	UDB-925420	5/8-11	23/64	1-1/16
	UDB-925425	3/4-10	27/64	1-1/4
	UDB-925430	7/8-9	31/64	1-7/16
	UDB-925435	1 8	35/64	1-5/8

Stainless Flange Nuts, Spherical Washers & Sets

UNITED STAINLESS FLANGE NUTS have a large bearing area insuring full surface contact. Available in National Coarse and National Fine Threads in Steel and Stainless.

STAINLESS PART NO.	COARSE STEEL	A STUD THD	FINE THD STEEL	A STUD THD	B HT.	C DIA FLANGE	D HEX
UDB-925146S		10 32			5/16	1/2	3/8
UDB-925148S	UDB-925148	10 24	UDB-925198	1/4-28	5/16	1/2	1/2
UDB-925150S	UDB-925150	1/4-20	UDB-925200	1/4-28	5/16	5/8	1/2
UDB-925155S	UDB-925155	5/16-18	UDB-925205	5/16-24	3/8	3/4	9/16
UDB-925160S	UDB-925160	3/8-16	UDB-925210	3/8-24	1/2	7/8	11/16
UDB-925165S	UDB-925165	1/2-13	UDB-925215	1/2-20	11/16	1-1/8	7/8
UDB-925170S	UDB-925170	5/8-11	UDB-925220	5/8-18	13/16	1-3/8	1-1/16
	UDB-925175	3/4-10	UDB-925225	3/4-16	1	1-5/8	1-1/4
	UDB-925180	7/8-9	UDB-925230	7/8-14	1-1/8	1-3/4	1-7/16
	UDB-925185	1-8	UDB-925235	1-14	1-1/4	2	1-5/8
	UDB-925190	1-1/8-7	UDB-925240	1-1/8-12	1-3/8	2-1/4	1-13/16
	UDB-925195	1-1/4-7	UDB-925245	1-1/4-12	1-3/8	2-1/4	1-13/16



Flange Nuts Spherical Washers

STAINLESS FLANGE NUTS

AVAILABLE IN

303 SERIES
STAINLESS STEEL

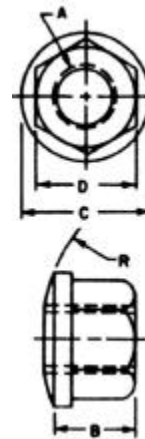
AND

HEAT TREATED
12L14 STEEL
BLACK OXIDE
FINISH



UNITED STAINLESS SPHERICAL NUTS are used with the Spherical Washers shown in this Section. Spherical Washers and Nuts assure alignment and balanced thread loads. Available in Steel and Stainless. Add 'S' for stainless to spherical washer part number in last column.

STAINLESS PART NO.	STEEL PART NO.	A STUD THD	B HT.	C DIA FLANGE	D HEX	R RADIUS	USE WITH SPHERICAL WASHER P/N
UDB-925250S	UDB-925250	1/4-20	5/16	5/8	1/2	3/4	UDB-926450
UDB-925255S	UDB-925255	5/16-18	3/8	3/4	9/16	1	UDB-926455
UDB-925260S	UDB-925260	3/8-16	1/2	7/8	11/16	1-1/4	UDB-926460
UDB-925265S	UDB-925265	1/2-13	11/16	1-1/8	7/8	1-1/2	UDB-926465
UDB-925270S	UDB-925270	5/8-11	13/16	1-3/8	1-1/16	1-3/4	UDB-926470
UDB-925275S	UDB-925275	3/4-10	1	1-5/8	1-1/4	2-1/4	UDB-926475
UDB-925280S	UDB-925280	7/8-9	1-1/8	1-3/4	1-7/16	2-1/2	UDB-926480
UDB-925285S	UDB-925285	1-8	1-1/4	2	1-5/8	2-3/4	UDB-926485
UDB-925290S	UDB-925290	1-1/8-7	1-1/4	2-1/4	1-13/16	3	UDB-926490
UDB-925295S	UDB-925295	1-1/4-7	1-1/4	2-5/8	2	3	UDB-926495



SPHERICAL FLANGE

The Spherical
Flange Nut
mates with the
corresponding
Bottom Washer
shown below.



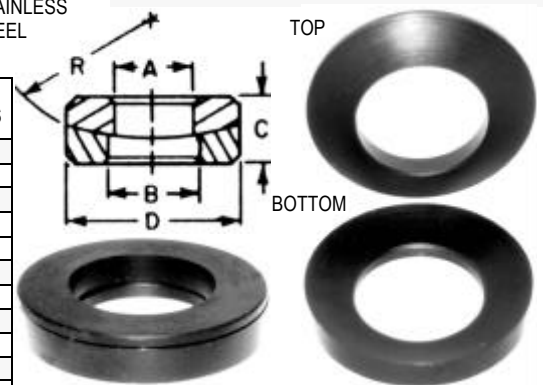
303 SERIES STAINLESS STEEL ZINC FINISH

UNITED STAINLESS SPHERICAL WASHERS self-align to compensate for mis-alignment between clamp strap and part being clamped. They reduce stress on studs. Hole sizes are 1/32 to 1/8 larger than corresponding studs.

STAINLESS ASSY P/N	TOP STAINLESS	BOTTOM STAINLESS	STUD DIA	A TOP I. D.	B I. D. BOTTOM	C HT.	D O.D.	R RADIUS
UDB-926250S	UDB-926350S	UDB-926450S	1/4	9/32	5/16	3/16	5/8	3/4
UDB-926255S	UDB-926355S	UDB-926455S	5/16	11/32	3/8	1/4	3/4	1
UDB-926260S	UDB-926360S	UDB-926460S	3/8	13/32	7/16	1/4	7/8	1-1/4
UDB-926265S	UDB-926365S	UDB-926465S	1/2	17/32	9/16	5/16	1-1/8	1-1/2
UDB-926270S	UDB-926370S	UDB-926470S	5/8	21/32	11/16	5/16	1-3/8	1-3/4
UDB-926275S	UDB-926375S	UDB-926475S	3/4	25/32	13/16	3/8	1-5/8	2-1/4
UDB-926280S	UDB-926380S	UDB-926480S	7/8	15/16	1	3/8	1-3/4	2-1/2
UDB-926285S	UDB-926385S	UDB-926485S	1	1-1/16	1-1/8	1/2	2	2-3/4
UDB-926290S	UDB-926390S	UDB-926490S	1-1/8	1-11/64	1-1/4	1/2	2-1/4	3
UDB-926295S	UDB-926395S	UDB-926495S	1-1/4	1-19/64	1-3/8	1/2	2-5/8	3
UDB-926300S	UDB-926400S	UDB-926500S	1-1/2	1-9/16	1-5/8	9/16	2-7/8	3

303 SERIES
STAINLESS
STEEL

SPHERICAL WASHERS



UNITED STAINLESS SPHERICAL NUT and SPHERICAL WASHER SETS assure alignment and balanced thread loads.

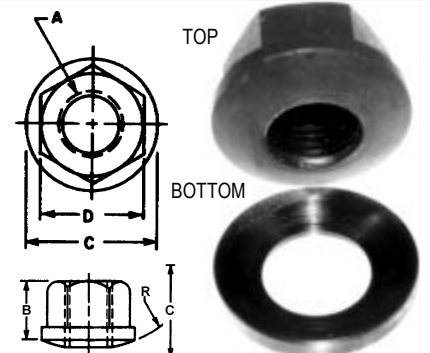
SPHERICAL FLANGE NUT & WASHER SETS

SPHERICAL FLANGE NUT PART NO.	Use with SPHERICAL WASHER NO.	A STUD THD	B HT.	C FLANGE DIA	D HEX	R RADIUS	SET Spherical Flange Nuts & Washers
UDB-925250S	UDB-926450S	1/4-20	5/16	5/8	1/2	3/4	UDB-925550S
UDB-925255S	UDB-926455S	5/16-18	3/8	3/4	9/16	1	UDB-925555S
UDB-925260S	UDB-926460S	3/8-16	1/2	7/8	11/16	1-1/4	UDB-925560S
UDB-925265S	UDB-926465S	1/2-13	11/16	1-1/8	7/8	1-1/2	UDB-925565S
UDB-925270S	UDB-926470S	5/8-11	13/16	1-3/8	1-1/16	1-3/4	UDB-925570S
UDB-925275S	UDB-926475S	3/4-10	1	1-5/8	1-1/4	2-1/4	UDB-925575S
UDB-925280S	UDB-926480S	7/8-9	1-1/8	1-3/4	1-7/16	2-1/2	UDB-925580S
UDB-925285S	UDB-926485S	1-8	1-1/4	2	1-5/8	2-3/4	UDB-925585S
UDB-925290S	UDB-926490S	1-1/8-7	1-1/4	2-1/4	1-13/16	3	UDB-925590S
UDB-925295S	UDB-926495S	1-1/4-7	1-1/4	2-5/8	2	3	UDB-925595S

STAINLESS
MATCHED SETS!

Mating Spherical
Nuts and Spherical
Washers are shown
at left individually
and as SETS.

303 SERIES
STAINLESS
STEEL

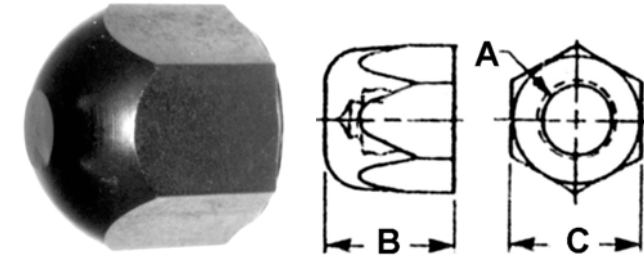


Stainless Nuts

Stainless Acorn, Knurled Lock and Check Nuts

STAINLESS ACORN NUTS

UNITED STAINLESS ACORN NUTS are non-magnetic and protect stud threads from damage.



STAINLESS 300 SERIES

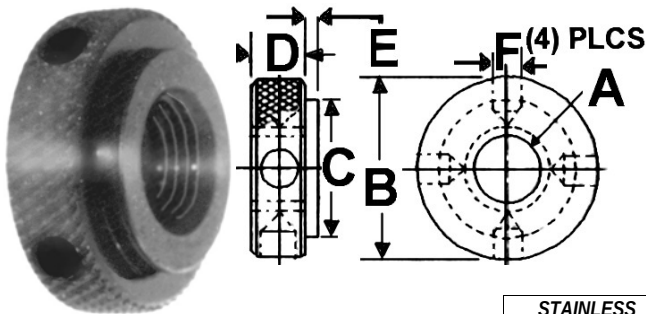
CORROSIVE RESISTANT

AVAILABLE IN C12L15 STEEL
HEAT TREATED WITH BLACK OXIDE FINISH.

Spherical surface eliminates injury to operators.

STAINLESS PART NO.	STEEL PART NO.	A THD	B	C
UDB-925000S	UDB-925000	1/4-20	1/2	1/2
UDB-925005S	UDB-925005	5/16-18	5/8	9/16
UDB-925010S	UDB-925010	3/8 - 16	3/4	11/16
UDB-925015S	UDB-925015	1/2-13	15/16	7/8
UDB-925020S	UDB-925020	5/8-11	1-3/16	1-1/16
UDB-925025S	UDB-925025	3/4 - 10	1-3/8	1-1/4
UDB-925030S	UDB-925030	7/8 - 9	1-7/16	1-7/16

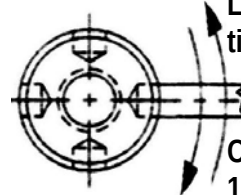
STAINLESS KNURLED LOCK NUTS



300 SERIES STAINLESS
WITH PASSIVATED FINISH

AVAILABLE IN 1018 STEEL
HEAT TREATED — BLACK OXIDE

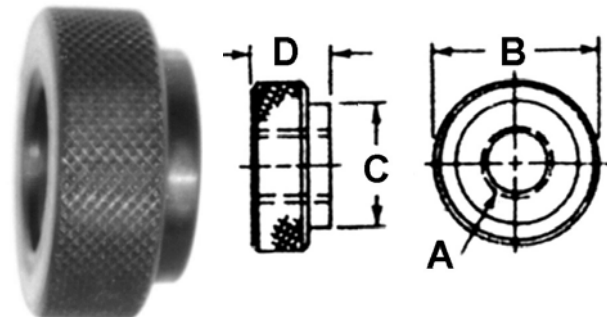
UNITED HEAVY DUTY KNURLED LOCK NUTS are quick acting for tightening professionally.



Can be tightened by hand or with a 1/4" or 6mm diameter rod.

STAINLESS PART NO.	STEEL PART NO.	A THD I. D. SIZE	B O. D. DIA	C STEP DIA	D WIDTH	E LIP	F DIA +.005 -.000
UDB-925110S	UDB-925110	1/4-20	1-1/8	1"	7/16	1/16	.250
UDB-925115S	UDB-925115	3/8 - 16	1-1/8	1"	7/16	1/16	.250
UDB-925120S	UDB-925120	1/2-13	1-1/8	1"	7/16	1/16	.250
UDB-925125S	UDB-925125	5/8-11	1-3/8	1"	7/16	1/16	.250

STAINLESS CHECK NUTS



300 SERIES STAINLESS HAVE PASSIVATED FINISH.

ALSO AVAILABLE IN ALLOY STEEL, HEAT TREATED WITH BLACK OXIDE FINISH.

UNITED CHECK NUTS are fixture tightening good! They are provided with all Toggle Head Screws. They are available for numerous standard and special applications.

STAINLESS PART NO.	ALLOY STEEL PART NO.	A THD SIZE	B DIA	C DIA	D
UDB-955100S	UDB-955100	#10-32	3/4	7/16	3/16
UDB-955103S	UDB-955103	#10-24	3/4	7/16	3/16
UDB-955105S	UDB-955105	1/4-20	3/4	1/2	7/32
UDB-955110S	UDB-955110	5/16-18	3/4	1/2	1/4
UDB-955115S	UDB-955115	3/8 - 16	1"	3/4	7/16
UDB-955120S	UDB-955120	1/2-13	1"	3/4	7/16
UDB-955125S	UDB-955125	5/8-11	1-1/16	13/16	1/2

Stainless Flat, Plain C and Swing C-Washers

UNITED HEAVY DUTY FLAT WASHERS
are versatile, durable and efficient.

**Stainless
Washers**

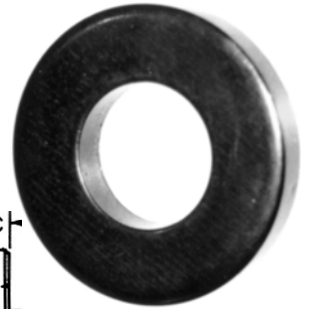
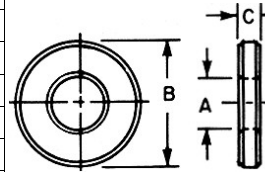
STAINLESS FLAT WASHERS

UNITED PART NO.	BOLT / STUD SIZE	A I. D.	B O. D.	C THICK- NESS	UNITED PART NO.	BOLT / STUD SIZE	A I. D.	B O. D.	C THICK- NESS
*UDB-926544SS	#10 (3/16)	7/32	7/16	5/64	*UDB-926580SS	1/2	17/32	1-1/8	3/16
*UDB-926545SS	#10 (3/16)	13/64	1/2	3/32	*UDB-926585SS	5/8	21/32	1-3/8	1/8
*UDB-926546SS	1/4	9/32	1/2	5/64	*UDB-926590SS	5/8	21/32	1-3/8	3/16
*UDB-926550SS	1/4	9/32	5/8	1/8	*UDB-926595SS	3/4	25/32	1-5/8	5/32
*UDB-926555SS	5/16	11/32	3/4	1/8	*UDB-926600SS	3/4	25/32	1-5/8	1/4
*UDB-926560SS	5/16	11/32	3/4	3/16	*UDB-926605SS	7/8	29/32	1-3/4	5/32
*UDB-926565SS	3/8	13/32	7/8	1/8	*UDB-926610SS	7/8	29/32	1-3/4	1/4
*UDB-926570SS	3/8	13/32	7/8	3/16	*UDB-926615SS	1"	1-1/32	2"	3/16
*UDB-926571SS	3/8	13/32	1"	3/16	*UDB-926620SS	1"	1-1/32	2"	9/32
*UDB-926572SS	7/16	15/32	1"	1/8	*UDB-926625SS	1-1/8	1-5/32	2-1/4	7/32
*UDB-926575SS	1/2	17/32	1-1/8	1/8	*UDB-926630SS	1-1/4	1-9/32	2-1/2	9/32

* SIZES AVAILABLE IN STEEL. For Steel, omit 'SS' from P/N

NON-MAGNETIC
NON-CORROSIVE

HEAVY DUTY



AVAILABLE IN STAINLESS 300
SERIES AND

C-12L14 STEEL CARBURIZED
HARDENED, HEAT TREATED
WITH BLACK OXIDE FINISH

SEE PG. F21 FOR
C-12L14 STEEL.

C-WASHERS are often used with nuts and flange nuts. They are locking washers which all in and out movement to load and clear workpiece.

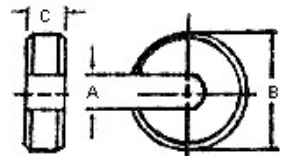
STAINLESS C - WASHERS

UNITED PART NO.	BOLT / STUD SIZE	A I. D.	B O. D.	C THICK- NESS	UNITED PART NO.	BOLT / STUD SIZE	A I. D.	B O. D.	C THICK- NESS
UDB-926000	1/4 or M6	9/32	3/4	1/4	UDB-926026	1/2 or M10	17/32	2-3/4	3/8
UDB-926002S	1/4 or M6	9/32	1"	1/4	UDB-926028	5/8 or M16	21/32	2-1/8	3/8
UDB-926004S	1/4 or M6	9/32	1-1/4	1/4	UDB-926030S	5/8 or M16	21/32	2-1/2	3/8
UDB-926006	1/4 or M6	9/32	1-1/2	1/4	UDB-926032	5/8 or M16	21/32	3"	3/8
UDB-926008	1/4 or M6	9/32	1-3/4	1/4	UDB-926034S	3/4 or M18	25/32	2-1/2	7/16
UDB-926010	5/16 or M8	11/32	1"	5/16	UDB-926036	3/4 or M18	25/32	2-7/8	7/16
UDB-926012	5/16 or M8	11/32	1-1/4	5/16	UDB-926038	3/4 or M18	25/32	3-3/8	7/16
UDB-926014	5/16 or M8	11/32	1-1/2	5/16	UDB-926040	7/8 or M22	29/32	2"	7/16
UDB-926016S	3/8 or M10	13/32	1-1/4	3/8	UDB-926042	7/8 or M22	29/32	2-1/2	7/16
UDB-926018S	3/8 or M10	13/32	1-1/2	3/8	UDB-926044	7/8 or M22	29/32	3"	7/16
UDB-926020	3/8 or M10	13/32	1-3/4	3/8	UDB-926046	1" or M24	1-1/32	2-1/2	1/2
UDB-926022S	1/2 or M10	17/32	1-7/8	3/8	UDB-926048	1" or M24	1-1/32	3"	1/2
UDB-926024	1/2 or M10	17/32	2-1/4	3/8	UDB-926050	1" or M24	1-1/32	3-1/2	1/2

'S' INDICATES SIZES AVAILABLE IN STAINLESS STEEL. NUMBERS WITHOUT 'S' ARE C12L14 STEEL.

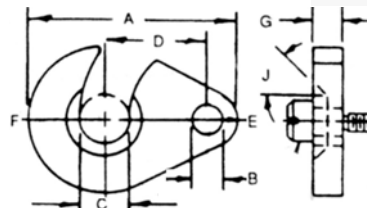
AVAILABLE IN
STAINLESS 300
SERIES.

SEE PG. F21
FOR STEEL
C-12L14 STEEL
CARBURIZED
HARDENED
HEAT TREATED
WITH BLACK
OXIDE FINISH



SWING C-WASHERS act as a latch for jigs and fixtures and special machinery. They can be swung in and out of the way for quick insertion and removal of the work piece.

Available with flat service or equalizing hole.



STAINLESS SWING C - WASHERS

FLAT PART NO.	EQUALIZING PART NO.	A LEN	B +.0005 -.0000	C I. D.	D	E BOTTOM RADIUS	F TOP RADIUS	G +.0000 -.0015	J X 45°
UDB-927750S	UDB-927754S	1-1/8	.1875	13/64	9/16	3/16	3/8	.1870	5/64
UDB-927751S	UDB-927755S	1-1/4	.1875	17/64	5/8	3/16	7/16	.1870	3/32
UDB-927752S	UDB-927756S	1-1/2	.250	21/64	3/4	1/4	1/2	.2495	1/8
UDB-927753S	UDB-927757S	1-3/4	.250	25/64	7/8	1/4	5/8	.2495	1/8

SEE PG. F21
FOR STEEL.

AVAILABLE IN STAINLESS 300 SERIES AND STEEL.

FOR C-12L14 STEEL CARBURIZED HARDENED HEAT
TREATED WITH BLACK OXIDE FINISH, DROP THE SUFFIX S.



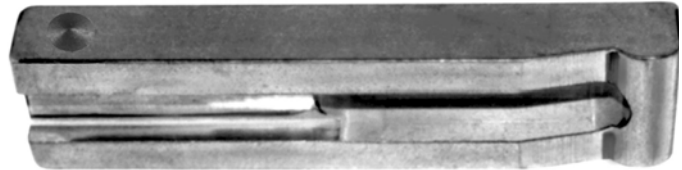
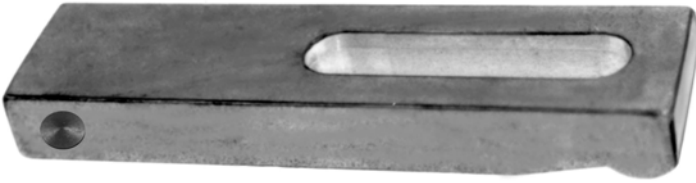
Miniature Slotted Radius Nose Clamps

Stainless Slotted Heel Radius Nose Clamps & Assy

STAINLESS STEEL SLOTTED HEEL RADIUS NOSE STRAP CLAMPS

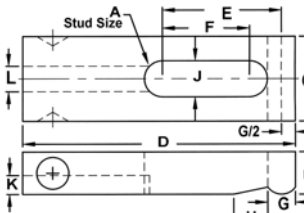
300 SERIES STAINLESS STEEL — TOP VIEW

300 SERIES STAINLESS STEEL — BOTTOM VIEW

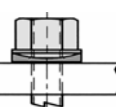
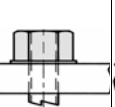
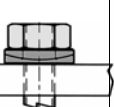
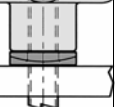
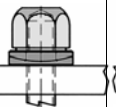
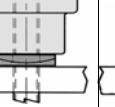
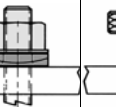
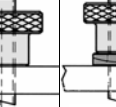
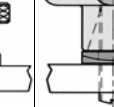


SINGLE END SLOTTED HEEL CLAMP STRAPS are slotted in the center underneath the top surface allowing the clamp to slide forward and back to load and unload your work piece.

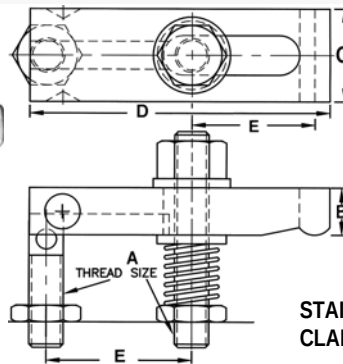
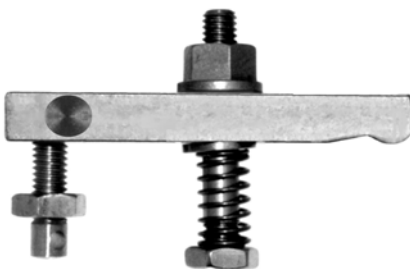
A secure grip is provided by two Finger Grip drill spots on both sides of slot area assuring you instant adjustments for loading. Stud sized slots available in 10–32, 1/4–20, 5/16–18 & 3/8–16.

	STAINLESS PART NO.	A STUD SIZE	B HT.	C WIDE	D LEN	E SLOT TO RADIUS	F TRAVEL SLOT	G RADIUS	H RELIEF	J SLOT	K HEEL SLOT	L HEEL WIDTH
	UDB-917212S	#10–32	1/4	1/2	1-1/2	21/32	15/32	3/16	5/16	7/32	3/32	7/32
	UDB-917214S	#10–32	1/4	1/2	2	29/32	23/32	3/16	5/16	7/32	3/32	7/32
	UDB-917216S	1/4–20	3/8	5/8	2	7/8	11/16	1/4	3/8	9/32	1/8	9/32
	UDB-917218S	1/4–20	3/8	5/8	2-1/2	1-1/8	15/16	1/4	3/8	9/32	1/8	9/32
	UDB-917220S	5/16–18	3/8	3/4	2	27/32	19/32	5/16	7/16	11/32	5/32	11/32
	UDB-917222S	5/16–18	3/8	3/4	2-1/2	1-3/32	27/32	5/16	7/16	11/32	5/32	11/32
	UDB-917224S	5/16–18	3/8	3/4	3	1-11/32	1-3/32	5/16	7/16	11/32	5/32	11/32
	UDB-917226S	3/8–16	1/2	1	3	1-5/16	1	3/8	1/2	13/32	3/16	13/32
	UDB-917228S	3/8–16	1/2	1	3-1/2	1-9/16	1-1/4	3/8	1/2	13/32	3/16	13/32
	UDB-917230S	3/8–16	1/2	1	4	1-13/16	1-1/2	3/8	1/2	13/32	3/16	13/32

300 SERIES STAINLESS STEEL

UNITED CLAMP	ASSEMBLY TYPES AVAILABLE								
									
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWS Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHKSWS Quick Acting Hand Knob & Spherical Washer Set

STAINLESS STEEL MINIATURE SLOTTED HEEL RADIUS NOSE CLAMP ASSEMBLY



Select any of the above assemblies and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions.

Example: UDB-917250S-FN

The greatest pressure is exerted on the part rather than the strap clamp.

STAINLESS STEEL SINGLE END RADIUS NOSE SLOTTED HEEL STRAP CLAMP ASSEMBLIES are **MINIATURE** in 300 SERIES STAINLESS STEEL.

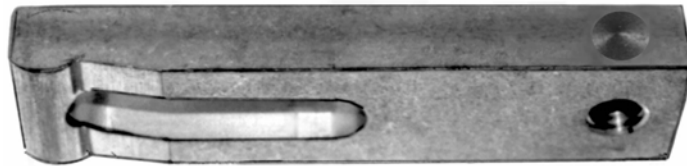
STAINLESS ASSEMBLY	A THD	B WIDTH	C THICK	D LEN	E SLOT LEN	CLAMP STRAP	CLAMP REST	SPRING	FLAT WASHER	STUD	JAM NUT	FLANGE NUT
UDB-917300S	#10–32	1/4	1/2	1-1/2	21/32	UDB-917212S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917302S	#10–32	1/4	1/2	2	29/32	UDB-917214S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917304S	1/4–20	3/8	5/8	2	7/8	UDB-917216S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917306S	1/4–20	3/8	5/8	2-1/2	1-1/8	UDB-917218S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917308S	5/16–18	3/8	3/4	2	27/32	UDB-917220S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917310S	5/16–18	3/8	3/4	2-1/2	1-3/32	UDB-917222S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917312S	5/16–18	3/8	3/4	3	1-11/32	UDB-917224S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917314S	3/8–16	1/2	1	3	1-5/16	UDB-917226S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S
UDB-917316S	3/8–16	1/2	1	3-1/2	1-9/16	UDB-917228S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S
UDB-917318S	3/8–16	1/2	1	4	1-13/16	UDB-917230S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S

Stainless Tapped Heel Radius Nose Clamps & Assy

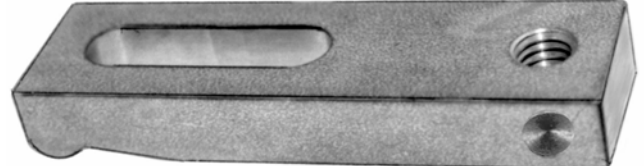
Miniature Tapped
Radius Nose Clamps

MINIATURE STAINLESS STEEL TAPPED HEEL RADIUS NOSE STRAP CLAMPS

300 SERIES STAINLESS STEEL – BOTTOM VIEW – available in aluminum



300 SERIES STAINLESS STEEL – TOP VIEW – available in aluminum

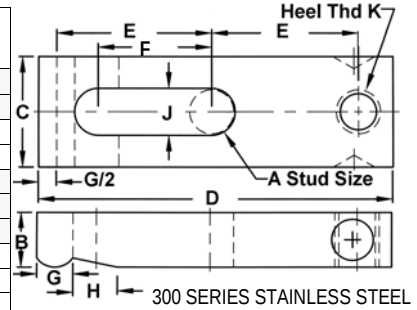


Clamping screws and rear supports fit the SINGLE END TAPPED HEEL CLAMP STRAPS allowing the clamp to slide forward and back to load and unload your work piece.

Two Finger Grips on each side of slot area provide secure griping for easy adjustments and loading. The stud leveling feet can be used as a rear support.

Stud sized slots available in 10–32, 1/4–20, 5/16–18 and 3/8–16.

STAINLESS PART NO.	A STUD SIZE	B HT.	C WIDE	D LEN	E SLOT TO F RADIUS	F TRAVEL SLOT	G RADIUS	H RELIEF	J SLOT	K HEEL THD
UDB-917250S	#10–32	1/4	1/2	1-1/2	19/32	13/32	3/16	5/16	7/32	#10–32
UDB-917252S	#10–32	1/4	1/2	2	27/32	21/32	3/16	5/16	7/32	#10–32
UDB-917254S	1/4–20	3/8	5/8	2	13/16	19/32	1/4	3/8	9/32	1/4–20
UDB-917256S	1/4–20	3/8	5/8	2-1/2	1-1/16	27/32	1/4	3/8	9/32	1/4–20
UDB-917258S	5/16–18	3/8	3/4	2	3/4	1/2	5/16	7/16	11/32	5/16–18
UDB-917260S	5/16–18	3/8	3/4	2-1/2	1	3/4	5/16	7/16	11/32	5/16–18
UDB-917262S	5/16–18	3/8	3/4	3	1-1/4	1	5/16	7/16	11/32	5/16–18
UDB-917264S	3/8–16	1/2	1	3	1-7/32	7/8	3/8	1/2	13/32	3/8–16
UDB-917266S	3/8–16	1/2	1	3-1/2	1-15/32	1-1/8	3/8	1/2	13/32	3/8–16
UDB-917268S	3/8–16	1/2	1	4	1-23/32	1-3/8	3/8	1/2	13/32	3/8–16

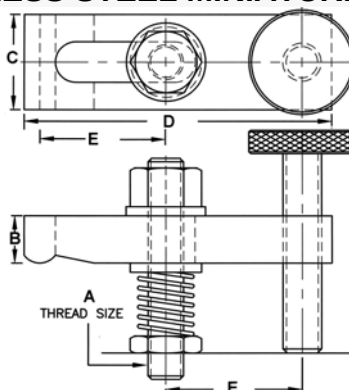


UNITED CLAMP	ASSEMBLY TYPES AVAILABLE									
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWS Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHSWS Quick Acting Hand Knob & Spherical Washer Set	

Select any of the above assemblies and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions.

Example: UDB-917390S-KKSWS

STAINLESS STEEL MINIATURE TAPPED CLAMP ASSEMBLY



Straps available in aluminum



The greatest pressure is exerted on the part rather than the strap clamp.

SINGLE END RADIUS NOSE TAPPED HEEL STRAP CLAMP ASSEMBLIES are MINIATURE in 300 STAINLESS STEEL.

STAINLESS ASSEMBLY	A THD	B	C	D	E	CLAMP STRAP	KNURLED HD SCREW	CLAMP REST	SPRING	FLAT WASHER	STUD	JAM NUT	FLANGE NUT
UDB-917390S	#10–32	1/4	1/2	1-1/2	19/32	UDB-917250S	UDB-923204S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917392S	#10–32	1/4	1/2	2	27/32	UDB-917252S	UDB-923204S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917394S	1/4–20	3/8	5/8	2	13/16	UDB-917254S	UDB-923206S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917396S	1/4–20	3/8	5/8	2-1/2	1-1/16	UDB-917256S	UDB-923206S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917398S	5/16–18	3/8	3/4	2	3/4	UDB-917258S	UDB-923220S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917400S	5/16–18	3/8	3/4	2-1/2	1	UDB-917220S	UDB-923220S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917402S	5/16–18	3/8	3/4	3	1-1/4	UDB-917262S	UDB-923220S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917404S	3/8–16	1/2	1	3	1-7/32	UDB-917264S	UDB-923224S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S
UDB-917406S	3/8–16	1/2	1	3-1/2	1-15/32	UDB-917266S	UDB-923224S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S
UDB-917408S	3/8–16	1/2	1	4	1-23/32	UDB-917268S	UDB-923224S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S

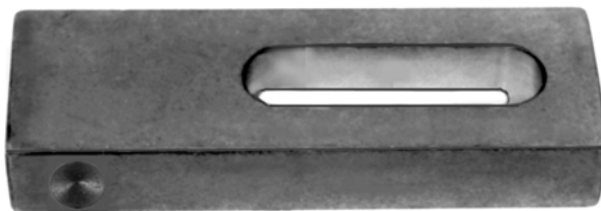
Miniature Plain Nose Clamps & Assy

Stainless Single End Plain Nose Miniature Strap Clamps

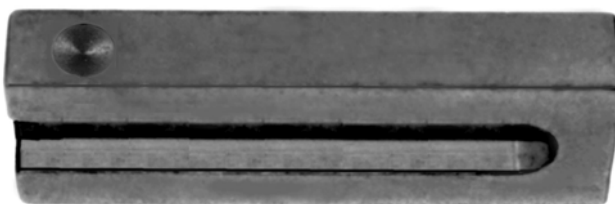
STAINLESS STEEL SINGLE END PLAIN NOSE SLOTTED HEEL STRAP CLAMPS

300 SERIES STAINLESS STEEL — TOP VIEW — available in aluminum

300 SERIES STAINLESS STEEL — BOTTOM VIEW — available in aluminum

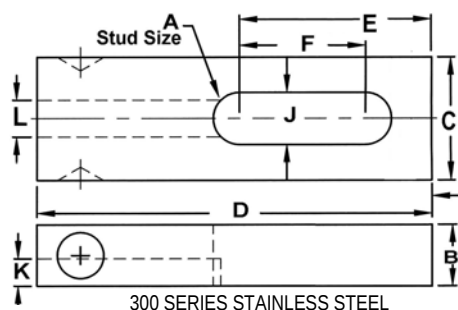


Excellent
for use
with all
heel
clamp
assem-
blies.



SINGLE END PLAIN NOSE CLAMP STRAPS are slotted underneath allowing the clamp to slide forward and back to load and unload your work piece. For light to medium duty.

A secure grip is provided by two Finger Grip drill spots on both sides of slot area assuring you instant adjustments for loading. Stud sized slots available in 10–32, 1/4–20, 5/16–18 & 3/8–16.



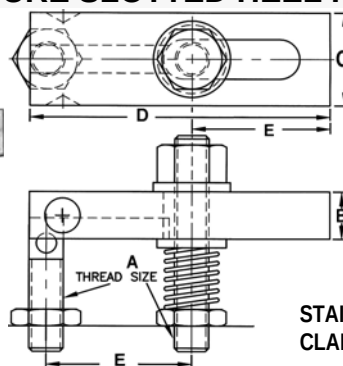
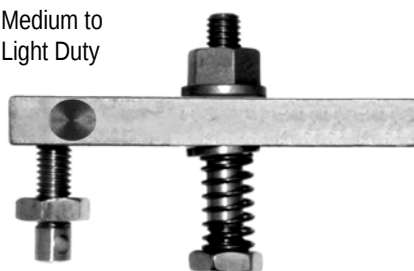
300 SERIES STAINLESS STEEL

STAINLESS PART NO.	A STUD SIZE	B HT.	C WIDE	D LEN	E SLOT TO RADIUS	F TRAVEL SLOT	J SLOT	K HEEL SLOT	L HEEL WIDTH
UDB-917450S	#10–32	1/4	1/2	1-1/2	3/4	1/2	7/32	3/32	7/32
UDB-917452S	#10–32	1/4	1/2	2	1	3/4	7/32	3/32	7/32
UDB-917454S	1/4–20	3/8	5/8	1-1/2	3/4	1/2	9/32	1/8	9/32
UDB-917456S	1/4–20	3/8	5/8	2	1	3/4	9/32	1/8	9/32
UDB-917458S	1/4–20	3/8	5/8	2-1/2	1-1/4	1	9/32	1/8	9/32
UDB-917460S	5/16–18	3/8	3/4	2	1	5/8	11/32	5/32	11/32
UDB-917462S	5/16–18	3/8	3/4	2-1/2	1-1/4	7/8	11/32	5/32	11/32
UDB-917464S	5/16–18	3/8	3/4	3	1-1/2	1-1/8	11/32	5/32	11/32
UDB-917466S	3/8–16	1/2	1	3	1-1/2	1-1/8	27/64	3/16	13/32

UNITED CLAMP	ASSEMBLY TYPES AVAILABLE								
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWS Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHKSWS Quick Acting Hand Knob & Spherical Washer Set

STAINLESS STEEL MINIATURE SLOTTED HEEL PLAIN NOSE CLAMP ASSEMBLY

Medium to
Light Duty



Select any of the above assemblies and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions.

Example: UDB-917480S-QAHKSWS

The greatest pressure is exerted on the part rather than the strap clamp.

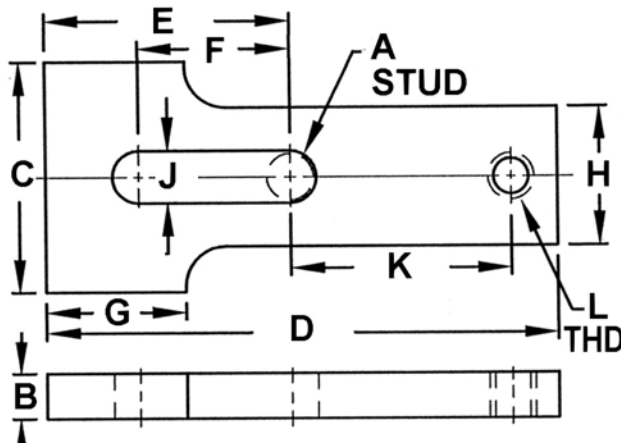
STAINLESS STEEL SINGLE END PLAIN NOSE SLOTTED HEEL STRAP CLAMP ASSEMBLIES are MINIATURE in 300 SERIES STAINLESS STEEL.

STAINLESS ASSEMBLY	A THD	B HT.	C WIDE	D LEN	E SLOT LEN	CLAMP STRAP	CLAMP REST	SPRING	FLAT WASHER	STUD	JAM NUT	FLANGE NUT
UDB-917480S	#10–32	1/4	1/2	1-1/2	21/32	UDB-917450S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917482S	#10–32	1/4	1/2	2	29/32	UDB-917452S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917484S	1/4–20	3/8	5/8	1-1/2	5/8	UDB-917454S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917486S	1/4–20	3/8	5/8	2	7/8	UDB-917456S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917488S	1/4–20	3/8	5/8	2-1/2	1-1/8	UDB-917458S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917490S	5/16–18	3/8	3/4	2	27/32	UDB-917460S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917492S	5/16–18	3/8	3/4	2-1/2	1-3/32	UDB-917462S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917494S	5/16–18	3/8	3/4	3	1-11/32	UDB-917464S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917496S	3/8–16	1/2	1	3	1-5/16	UDB-917466S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S

Stainless Tapped Heel Wide Nose Clamps & Assy

Miniature Tapped Wide Nose Clamps

MINIATURE STAINLESS STEEL WIDE NOSE TAPPED HEEL STRAP CLAMPS



300 SERIES STAINLESS STEEL – available in aluminum

Clamping screws and rear supports fit the WIDE NOSE TAPPED HEEL CLAMP STRAPS allowing the clamp to slide forward and back to load and unload your work piece.

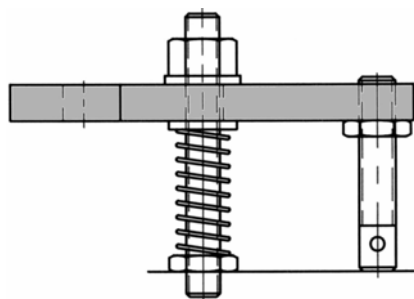
The stud leveling feet can be used as a rear support. Stud sized slots available as specials in 10-32, 5/16-18 and 3/8-16. Refer to Section I for other stud leveling feet.

STAINLESS PART NO.	A STUD SIZE	B HT.	C WIDE	D OAL	E SLOT TO NOSE	F TRAVEL SLOT	G NOSE WIDTH	H HEEL WIDTH	J SLOT DIA	K THD TO SLOT	L HEEL THD
UDB-917470S	1/4-20	1/4	1-1/4	2-3/4	1-5/16	13/16	3/4	3/4	9/32	1-3/16	1/4-20

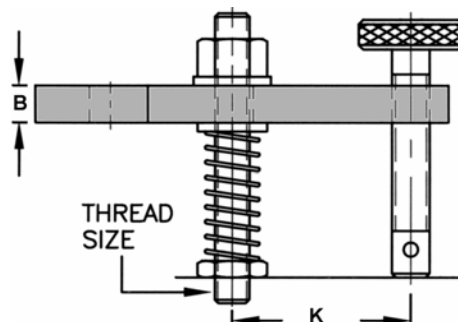
UNITED CLAMP	ASSEMBLY TYPES AVAILABLE								
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWS Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHKSWS Quick Acting Hand Knob & Spherical Washer Set

STAINLESS STEEL MINIATURE WIDE NOSE TAPPED HEEL CLAMP ASSEMBLY

Select any of the above assemblies and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions. Example: UDB-917500S-KKSWS



CLAMP REST ASSEMBLY



KNURLED HEAD SCREW ASSEMBLY



KNURLED HEAD SCREW ASSEMBLY

Straps available in aluminum

The greatest pressure is exerted on the part rather than the strap clamp.

WIDE NOSE TAPPED HEEL STRAP CLAMP ASSEMBLIES are MINIATURE in 300 STAINLESS STEEL.

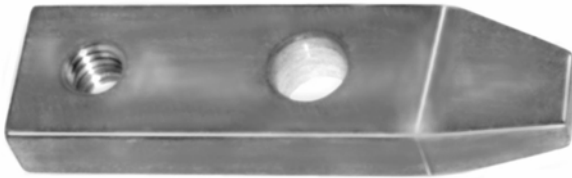
KNURLED HD SCREW ASSEMBLY	CLAMP REST ASSEMBLY	A THD	B	C	K	CLAMP STRAP	KNURLED HD SCREW	CLAMP REST	SPRING	FLAT WASHER	STUD	JAM NUT	FLANGE NUT
UDB-917500S	UDB-917502S	1/4-20	1/4	1-1/4	1-3/16	UDB-917470S	UDB-923206S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S

Miniature Tapered Nose Clamps

Stainless Tapered Nose Tapped Heel Clamps & Assy

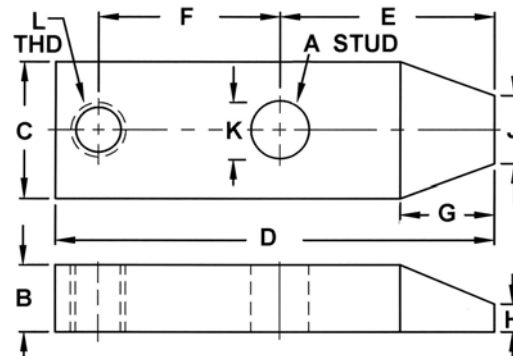
STAINLESS STEEL TAPERED NOSE TAPPED HEEL MINIATURE STRAP CLAMPS

300 SERIES STAINLESS STEEL



TAPERED NOSE TAPPED HEEL CLAMP STRAPS are perfect for tight spaces. These miniature clamps hold without obstructing your work.

Select tapped heel support from custom selection on page G17.



Small in size — Big in holding power!

Stud sized slots
available in 10–32,
1/4–20, 5/16–18 &
3/8–16.

STAINLESS PART NO.	A STUD SIZE	B HT.	C WIDE	D LEN	E STUD LOCATION	F TAPPED HOLE	G NOSE LENGTH	H THICK	J WIDTH NOSE	K DIA. for STUD A	L REST THD
UDB-917340S	#10–32	1/4	1/2	1-1/2	11/16	19/32	3/8	1/8	1/4	7/32	#10–32
UDB-917342S	#10–32	1/4	1/2	2	15/16	27/32	3/8	1/8	1/4	7/32	#10–32
UDB-917344S	1/4–20	3/8	5/8	2	15/16	13/16	5/32	5/32	5/16	9/32	1/4–20
UDB-917346S	1/4–20	3/8	5/8	2-1/2	1-3/16	1-1/16	15/32	5/32	5/16	9/32	1/4–20
UDB-917348S	5/16–18	3/8	3/4	2-1/2	1-5/32	1	9/16	3/16	3/8	11/32	5/16–18
UDB-917350S	3/8–16	1/2	1	3-1/2	1-21/32	1-15/32	3/4	1/4	1/2	27/64	3/8–16

300 SERIES STAINLESS STEEL

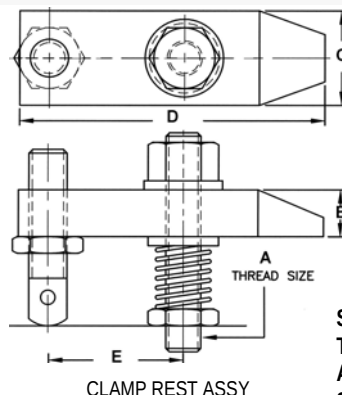
UNITED CLAMP	ASSEMBLY TYPES AVAILABLE								
SNW Spherical Flange Nut & Washer	FN Flange Nut	NSWS Nut & Spherical Washer Set	HKSWS Hand Knob & Spherical Washer Set	ANSWS Acorn Nut & Spherical Washer Set	BKSWs Bar Knob & Spherical Washer Set	FNSWS Flange Nut & Spherical Washer Set	KK Knurled Knob	KKSWS Knurled Knob & Spherical Washer Set	QAHSWS Quick Acting Hand Knob & Spherical Washer Set

STAINLESS STEEL TAPERED NOSE TAPPED HEEL MINIATURE STRAP CLAMP ASSEMBLY



CLAMP REST ASSY

The greatest pressure is exerted on the part rather than the strap clamp.

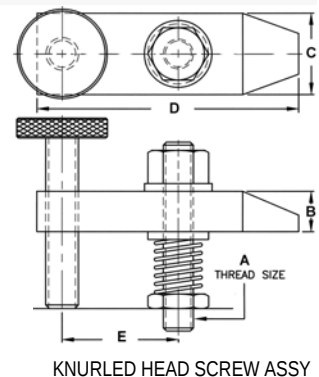


CLAMP REST ASSY

Select any of the above assemblies and add the suffix letters in bold to the part number below and we will fax you details of the assembly items together with prices and dimensions.

Example: UDB-917360S-FN

STAINLESS STEEL TAPERED NOSE
TAPPED HEEL STRAP CLAMP
ASSEMBLIES are MINIATURE in 300
SERIES STAINLESS STEEL.



KNURLED HEAD SCREW ASSY

KNURLED HD SCREW ASSY	CLAMP REST ASSY	A	B	C	E	CLAMP STRAP	KNURLED HD SCREW	CLAMP REST	SPRING	FLAT WASHER	STUD	JAM NUT	FLANGE NUT
UDB-917360S	UDB-917372S	#10–32	1/4	1/2	19/32	UDB-917340S	UDB-923204S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917362S	UDB-917374S	#10–32	1/4	1/2	27/32	UDB-917342S	UDB-923204S	UDB-930672S	UDB-936050S	UDB-926545S	UDB-940868S	UDB-925392S	UDB-925146S
UDB-917364S	UDB-917376S	1/4–20	3/8	5/8	13/16	UDB-917344S	UDB-923206S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917366S	UDB-917378S	1/4–20	3/8	5/8	1-1/16	UDB-917346S	UDB-923206S	UDB-930678S	UDB-936055S	UDB-926550S	UDB-940870S	UDB-925400S	UDB-925150S
UDB-917368S	UDB-917380S	5/16–18	3/8	3/4	1	UDB-917348S	UDB-923220S	UDB-930682S	UDB-936060S	UDB-926560S	UDB-940882S	UDB-925405S	UDB-925155S
UDB-917370S	UDB-917382S	3/8–16	1/2	1	1-15/32	UDB-917350S	UDB-923224S	UDB-930690S	UDB-936065S	UDB-926565S	UDB-940888S	UDB-925410S	UDB-925160S