

Machine Handles & Knobs

**HANDLED with Care
from UNITED**



UNECON SPOKED
HAND WHEELS Pg J10



CAST IRON MACHINE
HAND WHEELS Pg J8



3-SPOKED NYLON PLASTIC
HAND WHEELS Pg J11



ADJ. RELEASE-ENGAGE
TAPPED HANDLES Pg J20



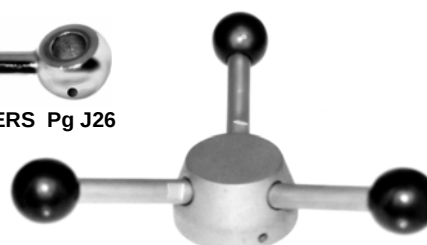
ADJ. HEAVY DUTY
TENSION LEVERS Pg J29



ADJ. REVOLVING HANDLES Pg J13



STEEL CLAMP LEVERS Pg J26



TRIPLE HANDLE HEAVY DUTY LEVERS
Pg J28



TAPERED
TAPPED OVAL
KNOBS Pg J35



ROUND BALL KNOB LEVERS Pg J27



KNURLED STEEL
KNOBS Pg J4



ADJ. CLAMPING LEVERS Pg J22



STAR KNOBS Pg J34



STEEL HANDLES Pg J8



T-KNOBS Pg J34



ADJ. LIFT HANDLES Pg J6



LIFT HANDLES Pg J6



SPEED BALL BALANCED
CRANK HANDLES Pg J17



BAR KNOBS Pg J4



SPEED ROLL FINGER WHEELS Pg J7



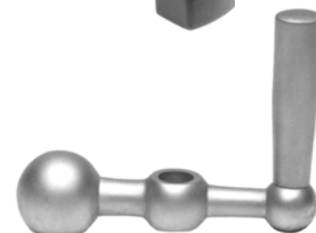
RECTANGULAR PULL
HANDLES Pg J19



REVOLVING CRANK HANDLES Pg J18



FOLDABLE REVOLVING
CRANK HANDLES Pg J18



BALANCED FIXED
CRANK HANDLES Pg J15

**Steel and Stainless
Control Knobs**

Knurled Control Knobs Blank, Reamed & Tapped In Steel and Stainless

KNURLED STEEL CONTROL KNOBS



12L14 STEEL
BLACK OXIDE
FINISH

AVAILABLE IN
STEEL and
STAINLESS.

ADD SUFFIX 'S'
to Part No. for
STAINLESS.

STD &
METRIC

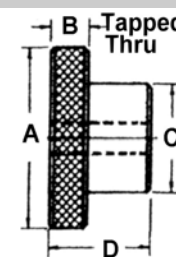
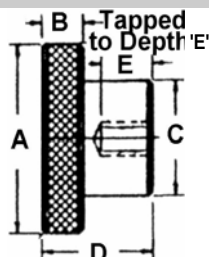
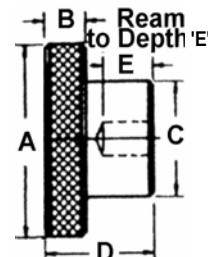
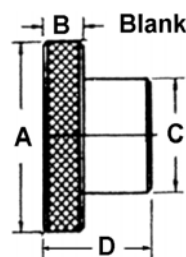
KNURLED STAINLESS CONTROL KNOBS



REFER TO I-18
FOR THESE
KNOBS WITH
THREADED
SPINDLES.

300 SERIES
STAINLESS
POLISHED FACE

FOUR STYLES: BLANK, REAMED to DEPTH, TAPPED to DEPTH and TAPPED THRU.



Each Knob is carefully machined with a knurled non-slip grip.
Stainless Steel Knobs and Threads are non-corrosive.

Your threaded spindle should be assembled and held firmly in the
flanged head with a spring pin.

UNITED Precision Knobs are accurate and durable. They are ideal
when plastic knobs won't do the job.

BLANK NO HOLE	REAMED TO DEPTH	TAPPED TO DEPTH	TAPPED THRU	STD Or METRIC	A HD DIA	B FLANGE WIDTH	C HUB DIA	D OVER ALL LEN	E REAM to DEPTH	F THD TAPPED to DEPTH	F THD TAPPED THRU
UCC-933050	UCC-933051	UCC-933052	UCC-933053	USA	3/4	1/4	1/2	5/8	3/16x3/8	10-24x3/8	10-24x5/8
UCC-933050M	UCC-933051M	UCC-933052M	UCC-933053M	METRIC	19.0MM	6.4MM	12.7MM	15.9MM	4.8MMx9.5MM	M5x9.5MM	M5x15.9MM
UCC-933054	UCC-933055	UCC-933056	UCC-933057	USA	3/4	1/4	1/2	5/8	1/4x3/8	1/4-20x3/8	1/4-20x5/8
UCC-933054M	UCC-933055M	UCC-933056M	UCC-933057M	METRIC	19.0MM	6.4MM	12.7MM	15.9MM	6.4MMx9.5MM	M6x9.5MM	M6x15.9MM
UCC-933058	UCC-933059	UCC-933060	UCC-933061	USA	1	1/4	5/8	3/4	1/4x1/2	1/4-20x1/2	1/4-20x5/8
UCC-933058M	UCC-933059M	UCC-933060M	UCC-933061M	METRIC	25.4MM	6.4MM	15.9MM	19.0MM	6.4MMx12.7MM	M6x12.7MM	M6x15.9MM
UCC-933062	UCC-933063	UCC-933064	UCC-933065	USA	1	1/4	5/8	3/4	5/16x1/2	5/16-18x1/2	5/16-18x5/8
UCC-933062M	UCC-933063M	UCC-933064M	UCC-933065M	METRIC	25.4MM	6.4MM	15.9MM	19.0MM	7.9MMx12.7MM	M8x12.7MM	M8x15.9MM
UCC-933066	UCC-933067	UCC-933068	UCC-933069	USA	1-1/2	5/16	3/4	1	5/16x5/8	5/16-18x5/8	5/16-18x1
UCC-933066M	UCC-933067M	UCC-933068M	UCC-933069M	METRIC	38.1MM	7.9MM	19.0MM	25.4MM	7.9MMx15.9MM	M8x15.9MM	M8x25.4MM
UCC-933070	UCC-933071	UCC-933072	UCC-933073	USA	1-1/2	5/16	3/4	1	3/8x5/8	3/8-16x5/8	3/8-16x1
UCC-933070M	UCC-933071M	UCC-933072M	UCC-933073M	METRIC	38.1MM	7.9MM	19.0MM	25.4MM	9.5MMx15.9MM	M10x15.9MM	M10x25.4MM
UCC-933074	UCC-933075	UCC-933076	UCC-933077	USA	2	3/8	1	1-1/8	3/8x5/8	3/8-16x5/8	3/8-16x1-1/8
UCC-933074M	UCC-933075M	UCC-933076M	UCC-933077M	METRIC	50.8MM	9.5MM	25.4MM	28.6MM	9.5MMx15.9MM	M10x15.9MM	M10x28.6MM
UCC-933078	UCC-933079	UCC-933080	UCC-933081	USA	2	3/8	1	1-1/8	1/2x5/8	1/2-13x5/8	1/2-13x1-1/8
UCC-933078M	UCC-933079M	UCC-933080M	UCC-933081M	METRIC	50.8MM	9.5MM	25.4MM	28.6MM	12.7MMx15.9MM	M12x15.9MM	M12x28.6MM
UCC-933082	UCC-933083	UCC-933084	UCC-933085	USA	2-1/2	9/16	1-1/2	1-1/2	1/2x3/4	1/2-13x3/4	1/2-13x1-1/2
UCC-933082M	UCC-933083M	UCC-933084M	UCC-933085M	METRIC	63.5MM	14.3MM	38.1MM	38.1MM	12.7MMx19.0MM	M12x19.0MM	M12x38.1MM
UCC-933086	UCC-933087	UCC-933088	UCC-933089	USA	2-1/2	9/16	1-1/2	1-1/2	5/8x3/4	5/8-11x3/4	5/8-11x1-1/2
UCC-933086M	UCC-933087M	UCC-933088M	UCC-933089M	METRIC	63.5MM	14.3MM	38.1MM	38.1MM	15.9MMx19.0MM	M16x19.0MM	M16x38.1MM
UCC-933090	UCC-933091	UCC-933092	UCC-933093	USA	2-5/8	5/8	1-5/8	1-5/8	5/8x1	5/8-11x1	5/8-11x1-5/8
UCC-933090M	UCC-933091M	UCC-933092M	UCC-933093M	METRIC	66.7MM	15.9MM	41.3MM	41.3MM	15.9MMx25.4MM	M16x25.4MM	M16x41.3MM
UCC-933094	UCC-933095	UCC-933096	UCC-933097	USA	2-5/8	5/8	1-5/8	1-5/8	3/4x1	3/4-10x1	3/4-10x1-5/8
UCC-933094M	UCC-933095M	UCC-933096M	UCC-933097M	METRIC	66.7MM	15.9MM	41.3MM	41.3MM	19.0MMx25.4MM	M20x25.4MM	M20x41.3MM

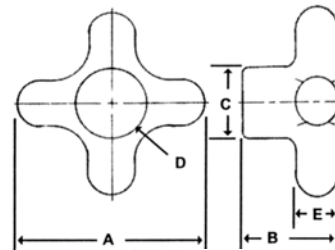
Hand Knobs

Cast Iron & Aluminum Alloy

**Heavy Duty
Hand Knobs**

UnEcon Cast Iron Hand Knobs — INCH & METRIC SIZES

CAST IRON	A	B	C HUB	D HOLE STYLE	E
UDB-945500	1-1/8	5/8	5/8	BLANK	5/16
UDB-945505	1-1/8	5/8	5/8	10-32 TAP	5/16
UDB-945510	1-1/8	5/8	5/8	10-24 TAP	5/16
UDB-945515	1-1/8	5/8	5/8	3/16 REAM	5/16
UDB-945525	1-1/8	5/8	5/8	1/4 – 20 TAP x 1/2 DP	5/16
UDB-945530	1-1/8	5/8	5/8	1/4 REAM x 1/2 DP	5/16
UDB-945531	1-1/8	5/8	5/8	M6 TAP THRU	5/16
UDB-945532	1-1/8	5/8	5/8	M6 TAP x 1/2 DP	5/16
UDB-945533	1-1/8	5/8	5/8	6MM REAM x 1/2 DP	5/16
UDB-945540	1-1/2	7/8	3/4	1/4 – 20 TAP THRU	3/8
UDB-945541	1-1/2	7/8	3/4	1/4 – 20 TAP x 3/4 DP	3/8
UDB-945542	1-1/2	7/8	3/4	1/4 REAM x 3/4 DP	3/8
UDB-945550	1-1/2	7/8	3/4	BLANK	3/8
UDB-945555	1-1/2	7/8	3/4	5/16 – 18 TAP x 3/4 DP	3/8
UDB-945556	1-1/2	7/8	3/4	5/16 – 18 TAP THRU	3/8
UDB-945560	1-1/2	7/8	3/4	5/16 REAM x 3/4 DP	3/8
UDB-945575	2"	1-1/8	3/4	BLANK	1/2
UDB-945580	2"	1-1/8	3/4	5/16 REAM x 3/4 DP	1/2
UDB-945581	2"	1-1/8	3/4	5/16 – 18 TAP x 3/4 DP	1/2
UDB-945582	2"	1-1/8	3/4	5/16 – 18 TAP THRU	1/2
UDB-945585	2"	1-1/8	3/4	3/8 REAM x 7/8 DP	1/2
UDB-945586	2"	1-1/8	3/4	3/8 – 16 TAP THRU	1/2
UDB-945590	2"	1-1/8	3/4	3/8 – 16 TAP x 7/8 DP	1/2
UDB-945591	2"	1-1/8	3/4	1/2 – 13 TAP THRU	1/2
UDB-945592	2"	1-1/8	3/4	1/2 – 13 TAP x 7/8 DP	1/2
UDB-945593	2"	1-1/8	3/4	1/2 REAM x 7/8 DP	1/2
UDB-945594	2"	1-1/8	3/4	M10 TAP THRU	1/2
UDB-945595	2"	1-1/8	3/4	M10 TAP x 7/8 DP	1/2
UDB-945596	2"	1-1/8	3/4	10MM REAM x 7/8 DP	1/2
UDB-945597	2"	1-1/8	3/4	M12 TAP THRU	1/2
UDB-945598	2"	1-1/8	3/4	M12 TAP x 7/8 DP	1/2
UDB-945599	2"	1-1/8	3/4	12MM REAM x 7/8 DP	1/2
UDB-945615	2-1/2	1-1/2	1-1/8	BLANK	1/2
UDB-945620	2-1/2	1-1/2	1-1/8	3/8 REAM	1/2
UDB-945625	2-1/2	1-1/2	1-1/8	1/2 – 13 TAP x 1-1/4 DP	1/2
UDB-945626	2-1/2	1-1/2	1-1/8	1/2 – 13 TAP THRU	1/2
UDB-945630	2-1/2	1-1/2	1-1/8	1/2 REAM x 1-1/4 DP	1/2
UDB-945635	2-1/2	1-1/2	1-1/8	5/8 – 11 TAP	1/2
UDB-945636	2-1/2	1-1/2	1-1/8	5/8 – 11 TAP THRU	1/2
UDB-945637	2-1/2	1-1/2	1-1/8	5/8 REAM 1-1/4 DP	1/2
UDB-945638	2-1/2	1-1/2	1-1/8	M10 TAP THRU	1/2
UDB-945639	2-1/2	1-1/2	1-1/8	M10 TAP x 1" DP	1/2
UDB-945640	2-1/2	1-1/2	1-1/8	5/8 REAM THRU	1/2
UDB-945641	2-1/2	1-1/2	1-1/8	10MM REAM x 1" DP	1/2
UDB-945642	2-1/2	1-1/2	1-1/8	M12 TAP THRU	1/2
UDB-945643	2-1/2	1-1/2	1-1/8	M12 TAP x 1" DP	1/2
UDB-945644	2-1/2	1-1/2	1-1/8	12MM REAM x 1" DP	1/2
UDB-945645	2-1/2	2-1/4	1"	BLANK	1/2
UDB-945650	2-1/2	2-1/4	1"	1/2 – 13 TAP	1/2
UDB-945651	2-1/2	2-1/4	1"	5/8 – 11 TAP THRU	1/2
UDB-945652	2-1/2	2-1/4	1"	5/8 – 11 TAP x 1-1/8 DP	1/2
UDB-945653	2-1/2	2-1/4	1"	5/8 REAM x 1-1/8 DP	1/2
UDB-945654	2-1/2	2-1/4	1"	3/4-10 TAP THRU	1/2
UDB-945655	2-1/2	2-1/4	1"	3/4-10 TAP x 1-1/8 DP	1/2
UDB-945656	2-1/2	2-1/4	1"	3/4 REAM x 1-1/8 DP	1/2
UDB-945657	2-1/2	2-1/4	1"	M16 TAP THRU	1/2
UDB-945658	2-1/2	2-1/4	1"	M16 TAP x 1-1/8 DP	1/2
UDB-945659	2-1/2	2-1/4	1"	16MM REAM x 1-1/8 DP	1/2
UDB-945660	2-1/2	2-1/4	1"	M20 TAP x 1-1/8 DP	1/2
UDB-945661	2-1/2	2-1/4	1"	20MM REAM x 1-1/8 DP	1/2



BRIGHT ZINC PLATED CAST IRON



Classic HAND KNOBS
are cast from fine grain
Iron and Zinc Plated for
protection. Or choose
from our Aluminum
Alloy Hand Knobs.

**Select from five knob sizes with Hole
Styles: Blank, Tapped, Tapped Thru and
Reamed in both Metric and Inch sizes.**

UnEcon Aluminum Hand Knobs — INCH SIZES

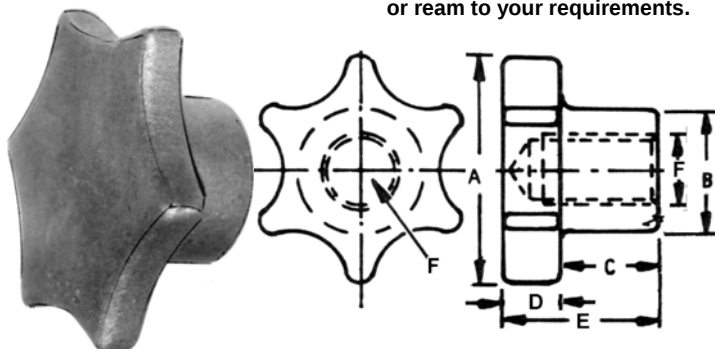
ALUMINUM	A	B	C	D Ream	D Tap	E
UDB-945665	1-1/8	3/4	9/16		1/4 – 20	3/8
UDB-945666	1-1/8	3/4	9/16	1/4		3/8
UDB-945667	1-1/8	3/4	9/16	BLANK		3/8
UDB-945668	1-1/2	7/8	5/8		5/16 – 18	3/8
UDB-945669	1-1/2	7/8	5/8	5/16		3/8
UDB-945670	1-1/2	7/8	5/8	BLANK		3/8
UDB-945671	2"	7/8	3/4		3/8 – 16	3/8
UDB-945672	2"	7/8	3/4	5/16		3/8
UDB-945673	2"	1-1/8	3/4	3/8		3/8
UDB-945674	2"	1-1/8	3/4	BLANK		3/8
UDB-945677	2-1/2	1-1/2	1-1/8		1/2 – 13	1/2
UDB-945678	2-1/2	1-1/2	1-1/8	1/2		1/2
UDB-945679	2-1/2	1-1/2	1-1/8		5/8 – 11	1/2
UDB-945680	2-1/2	1-1/2	1-1/8	5/8		1/2
UDB-945681	2-1/2	1-1/2	1-1/8	3/8		1/2
UDB-945682	2-1/2	1-1/2	1-1/8	BLANK		1/2
UDB-945683	3"	1-3/4	1-1/4		5/8 – 11	1/2
UDB-945684	3"	1-3/4	1-1/4	5/8		1/2
UDB-945685	3"	1-3/4	1-1/4	3/4		1/2
UDB-945686	3"	1-3/4	1-1/4	BLANK		1/2
UDB-945687	3"	1-3/4	1-1/2		3/4 – 10	1/2
UDB-945688	3"	1-3/4	1-1/2	5/8		1/2
UDB-945689	3"	1-3/4	1-1/2	3/4		1/2
UDB-945690	3"	1-3/4	1-1/2	BLANK		1/2

Star, Knurled and Bar Knobs

UNITED Strong Action Knobs Star — Knurled — Bar Styles

STAR KNOBS

Special reaming and tapping available or select Blanks to tap or ream to your requirements.

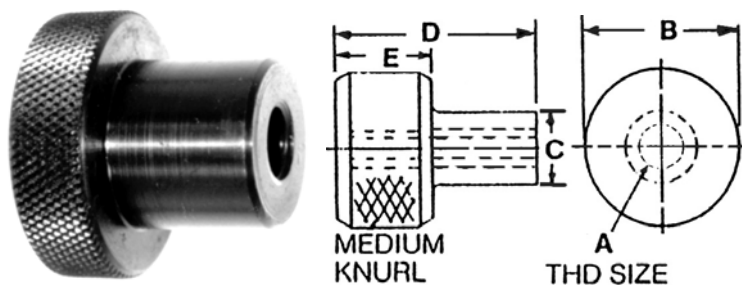


Star Knobs are tumbled smooth. Faces of reamed and threaded knobs are machined square with hole. Available in Cast Iron Zinc Plated with Clear Chromate and in Aluminum Alloy.

CAST IRON	ALUMINUM	A	B	C	D	E	F
UDB-945840	UDB-945860						BLANK
UDB-945841	UDB-945861	1-1/2	7/8	15/16	1/2	1-7/16	.375 RM
UDB-945842	UDB-945862						3/8 - 16 TAP
UDB-945843	UDB-945863						BLANK
UDB-945844	UDB-945864	2"	7/8	1-7/16	1/2	1-15/16	.375 RM
UDB-945845	UDB-945865						3/8 - 16 TAP
UDB-945846	UDB-945866						BLANK
UDB-945847	UDB-945867	2-1/2	1-1/4	11/16	1/2	1-3/16	.500 RM
UDB-945848	UDB-945868						1/2 - 13 TAP
UDB-945849	UDB-945869						BLANK
UDB-945850	UDB-945870						.500 RM
UDB-945851	UDB-945871	3"	1-3/8	1-7/16	1/2	1-15/16	.625 RM
UDB-945852	UDB-945872						1/2 - 13 TAP
UDB-945853	UDB-945873						5/8 - 11 TAP
UDB-945854	UDB-945874						BLANK
UDB-945855	UDB-945875	3-1/2	1-5/8	15/16	1/2	1-7/16	.750 RM
UDB-945856	UDB-945876						3/4 - 10 TAP

KNURLED STEEL KNOBS

Knurled Knobs are excellent for a wide variety of clamping, locating and adjustment applications.

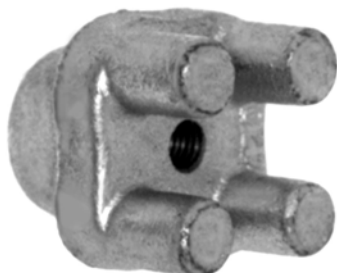


Black Oxide Finish after machining surface to bore.

KNURLED	A	B	C	D	E
UDB-945005	10-24	3/4	7/16	5/8	1/4
UDB-945010	1/4 - 20	1"	5/8	3/4	1/4
UDB-945015	3/8 - 16	1-1/4	3/4	1-1/8	1/2
UDB-945020	1/2 - 13	1-1/2	1"	1-1/4	1/2
UDB-945025	5/8 - 11	2"	1-1/4	1-3/4	5/8
UDB-945030	3/4 - 10	2-1/2	1-1/2	2-1/4	5/8

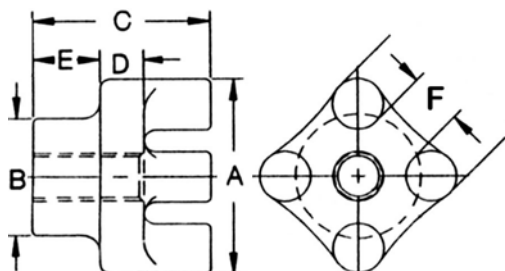
BAR KNOBS

Select from these 3 knob sizes according to the hole conditions.



Bar Knobs can be tightened with a "cheater" bar inserted between the prongs for maximum leverage.

HEAVY DUTY
HIGH STRENGTH



Bar Knobs available in Cast Iron Zinc-Plated Clear Chromate Finish

BAR	A	B	C	D	E	F	MOUNTING STYLE
UDB-945725							BLANK
UDB-945727							3/8 - 16 TAP
UDB-945732							1/2 - 13 TAP
UDB-945735	2"	2-1/8	1-1/2	1/2	3/4	7/16	1/2 REAM
UDB-945737							5/8 - 11 TAP
UDB-945739							M10
UDB-945741							M12
UDB-945743							M16
UDB-945750							BLANK
UDB-945755							1/2 - 13 TAP
UDB-945765							5/8 - 11 TAP
UDB-945770							5/8 REAM
UDB-945775	2-1/2	2-3/8	1-3/4	9/16	7/8	5/8	3/4 - 10 TAP
UDB-945780							3/4 REAM
UDB-945782							M12
UDB-945784							M16
UDB-945786							M20
UDB-945788							BLANK
UDB-945790							3/4 - 10 TAP
UDB-945792	3-1/2	2-3/8	2-1/8	9/16	15/16	1-5/16	7/8 - 9 TAP
UDB-945794							1 - 8 TAP
UDB-945796							M20
UDB-945798							M24

UNITED Quick Action Knobs Plain and Knurled Time Savers

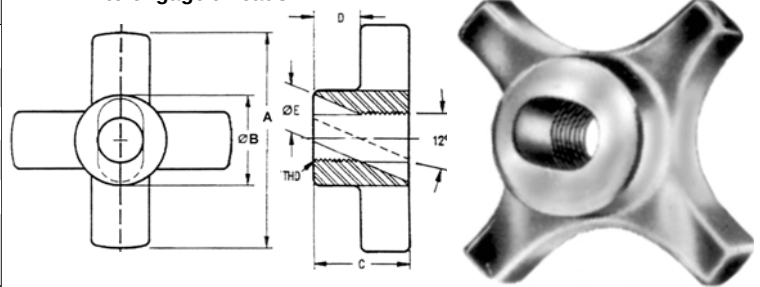
Quick Action Knobs

QUICK ACTION HAND KNOBS for clamping, locating and adjustment applications

FOR HEAVY DUTY WORK
Tilt Knob to slide in and out. Straighten to engage threads.

QUICK ACTION KNOBS

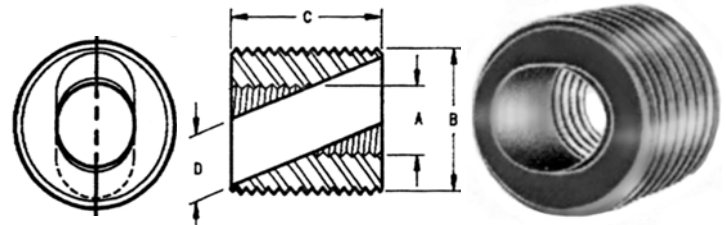
Heavy Duty 4-Prong Knobs — INCH SIZES						
4-Prong Knobs	A	B	C	D	T	F
UDB-945802	1-1/8	9/16	5/8	5/16	1/4 – 20	17/64
UDB-945804	1-1/2	11/16	7/8	1/2	5/16 – 18	21/64
UDB-945806	2"	13/16	1"	1/2	3/8 – 16	25/64
UDB-945808	2-1/2	1"	1-1/8	9/16	1/2 – 13	33/64
UDB-945810	3"	1-1/4	1-1/4	5/8	5/8 – 11	41/64
UDB-945812	3"	1-1/4	1-1/4	5/8	3/4 – 10	49/64



QUICK ACTION THREADED INSERTS for use with KNOBS and work holes requiring threaded spindles moving in and out.

QUICK ACTION THREADED INSERTS

Quick Action Threaded Inserts — INCH SIZES				
Thd Inserts	A	B	C	D
UDB-945814	1/4 – 20	1/2 – 20	1/2	17/64
UDB-945816	5/16 – 18	5/8 – 18	5/8	21/64
UDB-945818	3/8 – 16	3/4 – 16	3/4	25/64
UDB-945820	1/2 – 13	1" – 14	1"	33/64
UDB-945822	5/8 – 11	1-1/4 – 12	1-1/4	41/64



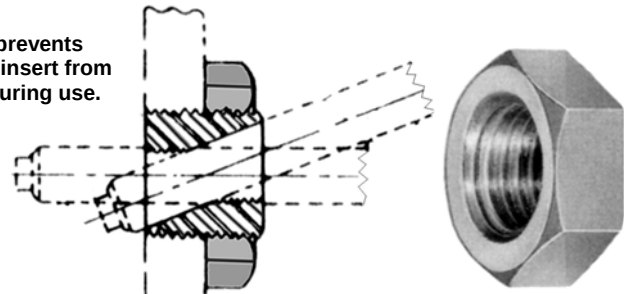
Best to use for work holes requiring threaded spindles moving in and out

QUICK ACTION JAM NUTS hold inserts in place.

QUICK ACTION INSERT JAM NUTS

Quick Action Insert Locking Nuts -INCH SIZES			
Insert Locking Nuts	A	B HEX	C
UDB-945814N	1/2 – 20	3/4	3/16
UDB-945816N	5/8 – 18	1-1/16	1/4
UDB-945818N	3/4 – 16	1-1/8	5/16
UDB-945820N	1" – 14	1-1/2	3/8
UDB-945822N	1-1/4 – 12	1-3/4	7/16

Jam Nut prevents threaded insert from moving during use.

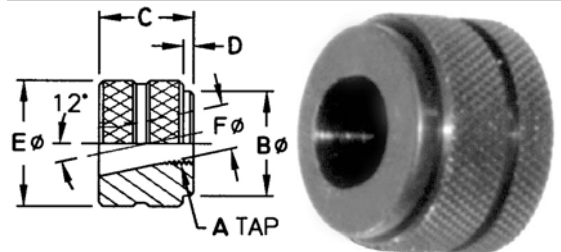


QUICK ACTION KNURLED HAND KNOBS for use in castable tooling

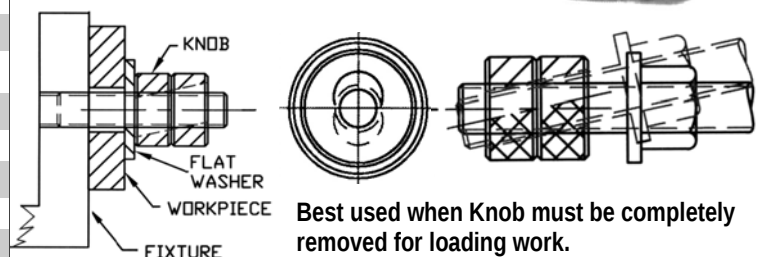
QUICK ACTION KNURLED KNOBS

Quick Action Knurled Knobs — INCH SIZES						
Knurled	A	B	C	D	E	F
UDB-945824	#10 – 24	1/2	7/16	1/16	5/8	7/32
UDB-945825	1/4 – 20	5/8	9/16	1/16	3/4	9/32
UDB-945826	5/16 – 18	3/4	5/8	1/16	7/8	11/32
UDB-945827	3/8 – 16	7/8	3/4	1/8	1"	13/32
UDB-945828	1/2 – 13	1"	3/4	1/8	1-1/8	17/32

Extend stud slightly beyond Quick Action Knob to engage threads.



Quick Action Knurled Knobs — METRIC THD						
Knurled	A	B	C	D	E	F
UDB-945829	M5	.51	.43	.08	5/8	.23
UDB-945830	M6	.63	.55	.08	3/4	.27
UDB-945831	M8	.75	.63	.08	7/8	.35
UDB-945832	M10	.87	.63	.08	1"	.42
UDB-945833	M12	.98	.75	.12	1-1/8	.50



Best used when Knob must be completely removed for loading work.

Multi-Purpose Handles from UNITED

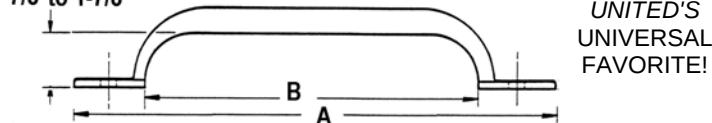
Multi-Purpose Handles Lift, Pull, Cabinet and Finger

LIFT HANDLE — Fixtures – Cabinets

Strong — Simple — Quick Installation
Widely used to Handle fixtures, cabinets,
template tooling, sheet tooling and boxes.



7/8 to 1-7/8



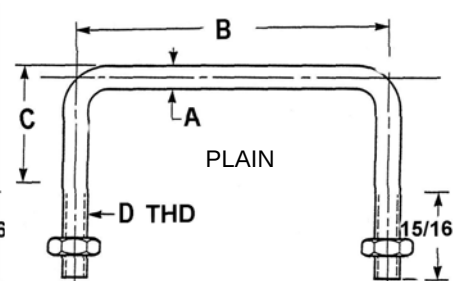
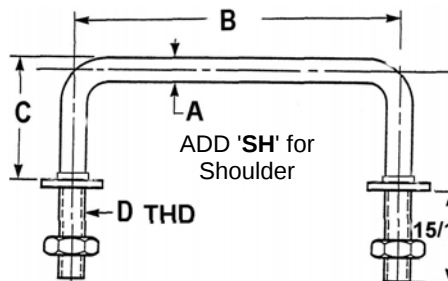
LIFT HANDLE	A OAL SIZE	B LEN of GRIP	USE SCREWS
UDB-945175	5 x 1-1/4	3-3/8	3/4 x 7
UDB-945177	5-3/4 x 1-1/2	4"	5/8 x 8
UDB-945179	6-1/2 x 1-3/4	4-1/2	1 x 9
UDB-945181	7-1/8 x 2-1/4	5-5/16	1-1/4 x 12
UDB-945185	6-1/2 x 1-3/4	4-1/2	WITHOUT HOLES

ADJUSTABLE PULL / LIFT HANDLE — Fixtures – Cabinets

Round External Threads —With or
Without Adjustable Shoulder



Round External Threads —With or
Without Adjustable Shoulder



**EXCELLENT PULL CABINET
Or LIFT HANDLES**

AVAILABLE in 3 Styles
— STEEL —
— ALUMINUM —
— STAINLESS —

WITH or WITHOUT WASHERS
All parts are furnished with nuts.

**Aluminum Handles are anodized
Black. Other colors are available
in quantity as Specials.**

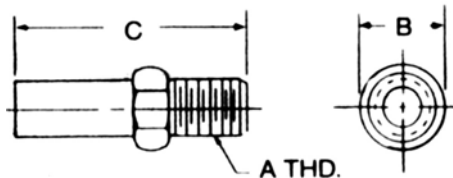
STEEL Black Oxide	ALUMINUM Anodized Black	STAINLESS Passivated Satin	A	B	C	D THD
UDB-951086	UDB-951110	UDB-951150	5/16	3"	1-7/16	5/16 – 18
UDB-951088	UDB-951112	UDB-951152	5/16	3-3/4	1-7/16	5/16 – 18
UDB-951090	UDB-951114	UDB-951154	5/16	4"	1-7/16	5/16 – 18
UDB-951092	UDB-951116	UDB-951156	5/16	4-1/4	1-7/16	5/16 – 18
UDB-951093	UDB-951117	UDB-951157	5/16	4-1/4	1-7/16	5/16 – 18
UDB-951094	UDB-951118	UDB-951158	5/16	4-1/2	1-7/16	5/16 – 18
UDB-951095	UDB-951120	UDB-951160	5/16	4-9/16	1-7/16	5/16 – 18
UDB-951096	UDB-951122	UDB-951162	5/16	5"	1-7/16	5/16 – 18
UDB-951097	UDB-951124	UDB-951164	5/16	6"	1-7/16	5/16 – 18
UDB-951008	UDB-951126	UDB-951166	3/8	3"	1-1/2	3/8 – 24
UDB-951099	UDB-951128	UDB-951168	3/8	3-3/4	1-1/2	3/8 – 24
UDB-951100	UDB-951130	UDB-951170	3/8	4"	1-1/2	3/8 – 24
UDB-951102	UDB-951135	UDB-951172	3/8	4-1/4	1-1/2	3/8 – 24
UDB-951103	UDB-951140	UDB-951174	3/8	4-1/2	1-1/2	3/8 – 24
UDB-951104	UDB-951142	UDB-951176	3/8	4-9/16	1-1/2	3/8 – 24
UDB-951105	UDB-951144	UDB-951178	3/8	5"	1-1/2	3/8 – 24
UDB-951107	UDB-951146	UDB-951180	3/8	6"	1-1/2	3/8 – 24
UDB-951108	UDB-951148	UDB-951186	3/8	9"	1-1/2	3/8 – 24

FINGER HANDLES — Threaded

IDEAL MINIATURE HANDLE FOR ACTUATING OR ADJUSTING SMALL MECHANISMS



CONVENIENT FINGER GRIP



FINGER HANDLE	A THD SIZE	B	C
UDB-945305	10 – 24	1/4	11/16
UDB-945307	10 – 32	1/4	11/16
UDB-945310	5/16 – 18	3/8	1-1/4

Aluminum & Steel Speed Roll Finger Wheels

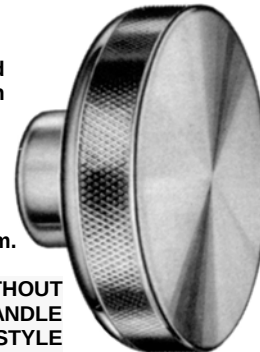
**Speed Roll Finger
Wheel Knobs**

Speed Roll Finger Wheels are available in aluminum and alloy steel with or without Handles. Manufactured from solid bar highly polished in clear anodized or black anodized alloy steel and bright hard chrome plated.
NOTE: REPLACEMENT HANDLE ONLY PART NUMBERS ARE LISTED BELOW KNOBS WITH HANDLES.

SPEEDROLL KNOBS

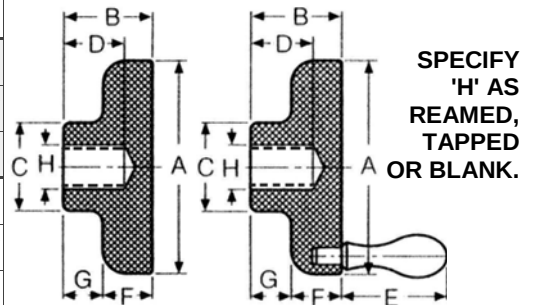
Dimensions Inches and (Metric in parentheses) — ALUMINUM										
WITHOUT HANDLE	WITH HANDLE	A	B	C	D	E	F	G	H REAMED	H TAPPE
UDB-801560	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	.250 (6.4MM)	—
UDB-801562	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	BLANK	BLANK
UDB-801564	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	—	1/4-20
UDB-801566 HANDLE ONLY>	UDB-801590 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	.375 (9.6MM)	—
UDB-801568 HANDLE ONLY>	UDB-801592 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	BLANK	BLANK
UDB-801570 HANDLE ONLY>	UDB-801594 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	—	3/8-16
UDB-801572 HANDLE ONLY>	UDB-801596 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	.625 (15.9MM)	—
UDB-801574 HANDLE ONLY>	UDB-801598 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	BLANK	BLANK
UDB-801576 HANDLE ONLY>	UDB-801600 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	—	5/8-11
UDB-801578 HANDLE ONLY>	UDB-801602 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	.625 (15.9MM)	—
UDB-801580 HANDLE ONLY>	UDB-801604 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	BLANK	BLANK
UDB-801582 HANDLE ONLY>	UDB-801606 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	—	5/8-11
UDB-801584 HANDLE ONLY>	UDB-801608 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	.750 (19MM)	—
UDB-801586 HANDLE ONLY>	UDB-801610 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	BLANK	BLANK
UDB-801588 HANDLE ONLY>	UDB-801612 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	—	3/4-10

Machined from high strength lighter weight solid bar 6061-T6 Aluminum.



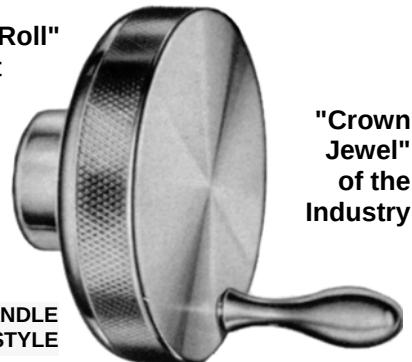
WITHOUT HANDLE STYLE

Use **UNITED "Speed Roll" KNOBS** when high quality is required.



SPECIFY 'H' AS REAMED, TAPPED OR BLANK.

"Speed Roll" Efficient Design



HANDLE STYLE

"Crown Jewel" of the Industry

SPECIFY YOUR SPECIAL REAM OR TAP SIZE.

Outstanding Solid Speed Roll Knobs have centered Pilot Hole Reamed or Tapped or Blank.

Knurled Rims for easy sure grip action.

FIXED HANDLES PROVIDED UNLESS OTHERWISE SPECIFIED.

With or Without Handles of polished chrome plated solid steel.

BLACK OXIDE FINISH IS AVAILABLE. ADD SUFFIX 'B' FOR BLACK OXIDE.

STAINLESS 300 SERIES ALSO AVAILABLE. ADD SUFFIX 'S' TO PART NO.

Speed Roll Finger Wheel Knobs are revolving or solid. Noted for their Design, Strength and Longevity.

Dimensions Inches and (Metric in parentheses) — STEEL										
WITHOUT HANDLE	WITH HANDLE)	A	B	C	D	E	F	G	H REAMED	H TAPPED
UDB-801500	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	.250 (6.4MM)	—
UDB-801502	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	BLANK	BLANK
UDB-801504	—	1.00 (25MM)	.81 (21MM)	.50 (13MM)	.63 (16MM)	—	.38 (10MM)	.44 (11MM)	—	1/4-20
UDB-801506 HANDLE ONLY>	UDB-801530 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	.375 (9.6MM)	—
UDB-801508 HANDLE ONLY>	UDB-801532 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	BLANK	BLANK
UDB-801510 HANDLE ONLY>	UDB-801534 UDB-945270	2.00 (51MM)	1.13 (29MM)	.81 (21MM)	.88 (22MM)	1.69 (43MM)	.56 (14MM)	.56 (14MM)	—	3/8-16
UDB-801512 HANDLE ONLY>	UDB-801536 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	.625 (15.9MM)	—
UDB-801514 HANDLE ONLY>	UDB-801538 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	BLANK	BLANK
UDB-801516 HANDLE ONLY>	UDB-801540 UDB-945271	3.00 (76MM)	1.25 (32MM)	1.25 (32MM)	.88 (22MM)	2.00 (51MM)	.69 (17MM)	.56 (14MM)	—	5/8-11
UDB-801518 HANDLE ONLY>	UDB-801542 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	.625 (15.9MM)	—
UDB-801520 HANDLE ONLY>	UDB-801544 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	BLANK	BLANK
UDB-801522 HANDLE ONLY>	UDB-801546 UDB-945272	4.00 (102MM)	1.50 (38MM)	1.50 (38MM)	1.00 (25MM)	2.63 (67MM)	.75 (19MM)	.75 (19MM)	—	5/8-11
UDB-801524 HANDLE ONLY>	UDB-801548 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	.750 (19MM)	—
UDB-801526 HANDLE ONLY>	UDB-801550 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	BLANK	BLANK
UDB-801528 HANDLE ONLY>	UDB-801552 UDB-945273	6.00 (52MM)	2.00 (51MM)	2.00 (51MM)	1.25 (32MM)	3.19 (81MM)	1.00 (25MM)	1.00 (25MM)	—	3/4-10

Machine Handwheels and Speed Handles

UNITED Can Handle Your Handwheels

HANDWHEELS



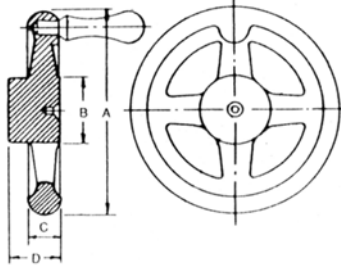
- **UNITED's Handwheels** are made from fine grain cast iron.

- All Handwheels have four spokes, except the 3 inch diameter, which is solid.
- Finished Handwheels are machined, polished and painted.



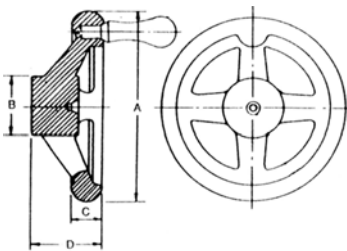
ECONOMY IN SPEED, STYLE and VALUE

STANDARD STYLE



STANDARD STYLE — ADD 'A' to Part No. for Aluminum. Example: UDB-947103-A								REFERENCE	
UNFINISHED BLANK	FINISHED NO HANDLE	FINISHED SOLID HANDLE	FINISHED REVOLVING	A	B	C	D	SOLID HANDLE	REVOLVING HANDLE
UDB-947103	UDB-947123	UDB-947143	UDB-947163	3"	1"	5/8	1-1/16	UDB-945210	UDB-945250
UDB-947104	UDB-947124	UDB-947144	UDB-947164	4"	1-1/4	5/8	1-1/8	UDB-945210	UDB-945250
UDB-947105	UDB-947125	UDB-947145	UDB-947165	5"	1-1/2	5/8	1-1/8	UDB-945215	UDB-945255
UDB-947106	UDB-947126	UDB-947146	UDB-947166	6"	1-5/8	3/4	1-1/4	UDB-945215	UDB-945255
UDB-947108	UDB-947128	UDB-947148	UDB-947168	8"	1-7/8	7/8	1-3/8	UDB-945220	UDB-945260
UDB-947110	UDB-947130	UDB-947150	UDB-947170	10"	2-1/4	1"	2-1/4	UDB-945220	UDB-945260
UDB-947112	UDB-947132	UDB-947152	UDB-947172	12"	3"	1-1/4	3"	UDB-945225	UDB-945265

RECESSED STYLE



RECESSED STYLE — ADD 'A' to Part No. for Aluminum. Example: UDB-947114-A								REFERENCE	
UNFINISHED BLANK	FINISHED NO HANDLE	FINISHED SOLID HANDLE	FINISHED REVOLVING	A	B	C	D	SOLID HANDLE	REVOLVING HANDLE
UDB-947114	UDB-947134	UDB-947154	UDB-947174	4"	1-1/4	5/8	1-11/16	UDB-945210	UDB-945250
UDB-947115	UDB-947135	UDB-947155	UDB-947175	5"	1-1/2	5/8	1-13/16	UDB-945215	UDB-945255
UDB-947116	UDB-947136	UDB-947156	UDB-947176	6"	1-5/8	3/4	2"	UDB-945215	UDB-945255
UDB-947117	UDB-947137	UDB-947157	UDB-947177	7"	1-3/4	3/4	2-1/16	UDB-945220	UDB-945260
UDB-947118	UDB-947138	UDB-947158	UDB-947178	8"	1-7/8	7/8	2-3/16	UDB-945220	UDB-945260
UDB-947119	UDB-947139	UDB-947159	UDB-947179	9"	2"	7/8	2-3/4	UDB-945220	UDB-945260
UDB-947120	UDB-947140	UDB-947160	UDB-947180	10"	2-1/4	1"	3-1/4	UDB-945220	UDB-945260

STEEL HANDLES — PRESS FIT and THREADED

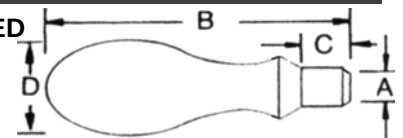
SMOOTH MACHINE POLISHED



SHAPED FOR SPEED

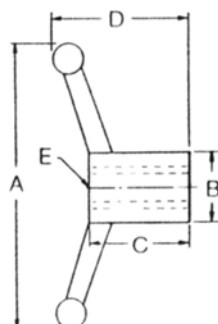


MACHINED FROM SOLID STEEL BAR
SPECIAL FINISH OR MODIFICATIONS AVAILABLE



PRESS FIT * SOLID HANDLE	THREADED SOLID HANDLE	A DIA. *	A THD	B	C	D	PRESS FIT REVOLVING HANDLE	A	B	C	D
UDB-945205	UDB-945275	1/4	1/4 -20	1-23/32	7/16	7/16	UDB-945250	5/16	2-5/8	9/16	7/8
UDB-945210	UDB-945280	5/16	5/16 -18	2-5/32	7/16	3/4	UDB-945255	3/8	3-25/32	3/4	1-1/8
UDB-945215	UDB-945285	3/8	3/8 -16	2-11/16	9/16	7/8	UDB-945260	7/16	4-1/32	3/4	1-3/16
UDB-945220	UDB-945290	7/16	7/16 -14	3-29/32	11/16	1-3/16	UDB-945265	1/2	5-1/8	15/16	1-3/8
UDB-945225	UDB-945295	1/2	1/2 -13	5"	15/16	1-3/8					

SPEED BALL HANDLES



ZINC PLATED CAST IRON

BALANCED FOR SPEED

BLANK, REAMED OR
TAPPED STYLES
AVAILABLE

**WIDE HANDLE ADDS
LEVERAGE**

SPEED BALL HANDLE	A	B	C	D	E HOLE SIZE
UDB-945350	4-3/4	1-1/8	1-5/8	2-1/4	BLANK
UDB-945355	4-3/4	1-1/8	1-5/8	2-1/4	1/2 REAM
UDB-945360	4-3/4	1-1/8	1-5/8	2-1/4	1/2 - 13 TAP
UDB-945365	6"	1-3/8	1-5/8	2-1/2	BLANK
UDB-945370	6"	1-3/8	1-5/8	2-1/2	5/8 REAM
UDB-945375	6"	1-3/8	1-5/8	2-1/2	5/8 - 11 TAP
UDB-945380	8"	1-5/8	1-3/4	2-15/16	BLANK
UDB-945385	8"	1-5/8	1-3/4	2-15/16	3/4 REAM
UDB-945390	8"	1-5/8	1-3/4	2-15/16	3/4 - 10 TAP

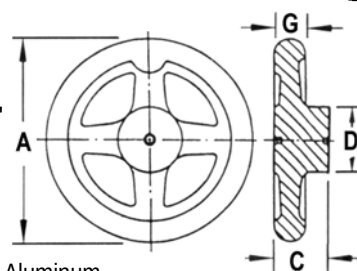
UnEcon Handwheels- Straight and Offset

**Straight & Offset
Handwheels**

UnEcon Handwheel Straight Spokes

All Steel Handwheels
are polished and chrome plated.
Round Machined Rim Hub is Center Drilled with 1/8"
Pilot on center. Easy to modify.
All unmachined surfaces are tumbled smooth.
Economical and well balanced.
4 Straight Spokes.
Steel or Aluminum.

STEEL	ALUMINUM	A	C	D	G	SPOKES
UDB-947183		3	1-1/16	1"	5/8	4
UDB-947184		4	1-1/8	1-1/4	11/16	4
UDB-947185		5	1-1/8	1-1/2	5/8	4
UDB-947186	UDB-947186A	6	1-1/4	1-5/8	3/4	4
UDB-947188	UDB-947188A	8	1-3/8	1-7/8	7/8	4
UDB-947190		10	2-1/4	2-1/4	1"	4



Aluminum
available
with
Painted
Rim Hub.

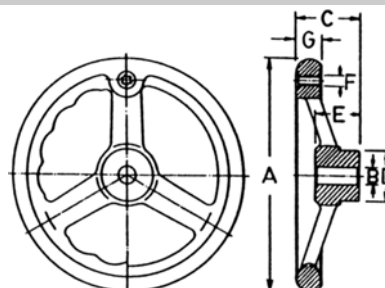
Drilled
Center with
1/8 pilot on



**UNECON STRAIGHT
HANDWHEEL
ROUND RING
4 STRAIGHT SPOKES**

UnEcon Handwheel Offset Spokes

Round Machined Rim tapped for Handle.
Crank Hub is Center Drilled.
Easy to modify and ready for Handle.
Unmachined surfaces are tumbled smooth.
Zinc cast or polished Chrome Plated Finish.
Well Proportioned and Economical.
Finger Grip Cast on 8"-12" sizes.

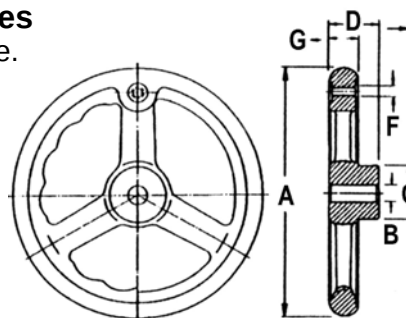


ZINC CAST	CHROME	A	B	C	D	E	F	G	SPOKES	FIXED	REVOLVING
UDB-947193	UDB-947203	3	3/8	1"	1"	1"	#10-24	1/2	4	UDB-945270	UDB-945280
UDB-947194	UDB-947204	4	3/8	1-1/2	1-1/8	1-1/16	#10-24	9/16	3	UDB-945270	UDB-945280
UDB-947195	UDB-947205	5	3/8	1-5/8	1-1/4	1-3/16	1/4-20	5/8	3	UDB-945271	UDB-945281
UDB-947196	UDB-947206	6	1/2	1-13/16	1-3/8	1-1/4	5/16-18	11/16	3	UDB-945272	UDB-945282
UDB-947198	UDB-947208	8	5/8	2-3/16	1-5/8	1-1/2	3/8-16	7/8	3	UDB-945273	UDB-945283
UDB-947200	UDB-947210	10	5/8	2-3/8	1-7/8	1-5/8	3/8-16	15/16	5	UDB-945273	UDB-945283
UDB-947202	UDB-947212	12	3/4	2-1/2	2-3/16	1-3/4	1/2-13	1"	5	UDB-945274	UDB-945284

**UNECON OFFSET
HANDWHEEL
ROUND RING
3 or 5 OFFSET
SPOKES**

UnEcon Handwheel Straight Spokes

Round Machined Rim tapped for Handle.
Easy to modify and ready for Handle.
Crank Hub is Center Drilled.
Unmachined surfaces are tumbled
smooth and polished.
Cast or Chrome Plated Finish.
Well Proportioned and Economical.
Finger Grip Cast on 8"-12" sizes.



CAST	CHROME	A	B	C	D	F	G	SPOKES	FIXED	REVOLVING
UDB-947213	UDB-947223	3	3/8	1"	1"	#10-24	1/2	3	UDB-945270	UDB-945280
UDB-947214	UDB-947224	4	3/8	1-1/8	1-1/16	#10-24	9/16	3	UDB-945270	UDB-945280
UDB-947215	UDB-947225	5	3/8	1-1/4	1-3/16	1/4-20	19/32	3	UDB-945271	UDB-945281
UDB-947216	UDB-947226	6	1/2	1-3/8	1-1/4	5/16-18	21/32	3	UDB-945272	UDB-945282
UDB-947218	UDB-947227	8	5/8	1-21/32	1-1/2	3/8-16	7/8	3	UDB-945273	UDB-945283
UDB-947220	UDB-947228	10	5/8	1-7/8	1-21/32	3/8-16	15/16	5	UDB-945273	UDB-945283
UDB-947222	UDB-947232	12	3/4	2-5/32	1-25/32	1/2-13	1-1/64	5	UDB-945274	UDB-945284

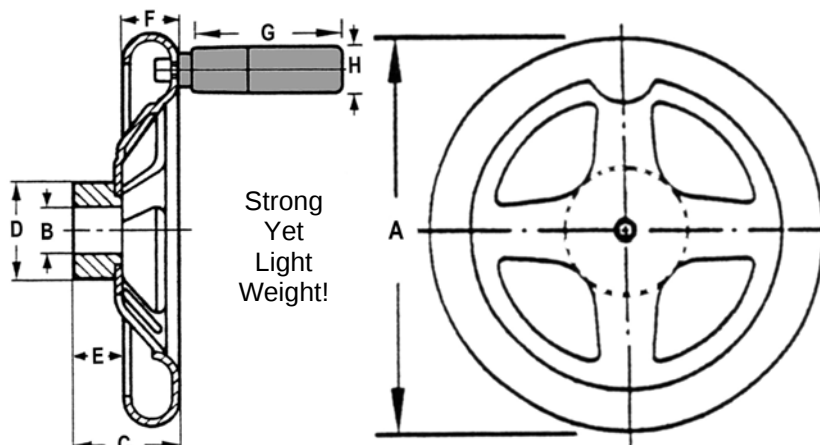
**UNECON STRAIGHT
HANDWHEEL
ROUND RING
3 or 5 STRAIGHT
SPOKES**

Stainless Spoked Handwheels

UnEcon Stainless Spoked Handwheels



WITH or WITHOUT
HANDLE



Strong
Yet
Light
Weight!

**UNECON STAINLESS
SPOKED HANDWHEEL**
Hub is Center Drilled

SPECIALS
Bores
Broaches
Keyways

UNITED UnEcon STAINLESS HANDWHEELS

- Non-Corrosive
- Impact and Shock Proof
- High Mechanical Strength
- Balanced Proportional Design
- Shaped for Comfort
- Round and Square Bores
- Easy to Modify Larger Sizes
- Revolving Strong Plastic Handle
- Pressed Stainless Steel
- Mounting Hole Omitted If No Handle
- Shot Blasted Satin Finish
- Economical

UnEcon for Economy and Value

ROUND BORE USA Inch and (Metric in parentheses)

WITH HANDLE	WITHOUT HANDLE	A DIA	B REAM	C OVERALL WIDTH	D O.D. HUB	E LENGTH HUB	F THICK- NESS	G LENGTH HANDLE	H DIA HANDLE	NUMBER OF SPOKES
UDB-947234	UDB-947240	6.30 (160mm)	1/2	1-35/64 (39mm)	1-3/16 (30mm)	51/64 (20mm)	7/8 (22mm)	1-1/64 (26mm)	3-5/32 (80mm)	4
UDB-947236	UDB-947242	7.87 (200mm)	5/8	1-47/64 (44mm)	1-5/32 (40mm)	15/16 (24mm)	7/8 (22mm)	1-1/64 (26mm)	3-5/32 (80mm)	4
UDB-947238	UDB-947244	9.84 (250mm)	3/4	2-3/64 (52mm)	1-3/4 (45mm)	1-7/64 (28mm)	1-3/16 (30mm)	1-7/64 (28mm)	3-35/64 (90mm)	5

SQUARE BORE USA Inch and (Metric in parentheses)

WITH HANDLE	WITHOUT HANDLE	A DIA	B REAM	C OVERALL WIDTH	D O.D. HUB	E LENGTH HUB	F THICK- NESS	G LENGTH HANDLE	H DIA HANDLE	NUMBER OF SPOKES
UDB-947248	UDB-947254	6.30 (160mm)	1/2	1-35/64 (39mm)	1-3/16 (30mm)	51/64 (20mm)	7/8 (22mm)	1-1/64 (26mm)	3-5/32 (80mm)	4
UDB-947250	UDB-947256	7.87 (200mm)	5/8	1-47/64 (44mm)	1-5/32 (40mm)	15/16 (24mm)	7/8 (22mm)	1-1/64 (26mm)	3-5/32 (80mm)	4
UDB-947252	UDB-947258	9.84 (250mm)	3/4	2-3/64 (52mm)	1-3/4 (45mm)	1-7/64 (28mm)	1-3/16 (30mm)	1-7/64 (28mm)	3-35/64 (90mm)	5

Tri-Spoked Handwheels

BLACK GLASS FILLED NYLON PLASTIC

UNITED Modern
Handwheels

PLAIN
NO HANDLE

REVOLVING
HANDLE

REVOLVING
RETRACTABLE
SAFETY HANDLE



UNITED THREE-SPOKED HANDWHEELS FEATURES

BODY: Black glass filled nylon plastic

HUB: Steel, zinc plated, molded-in

HANDLE STYLES: Plain No Handle, Revolving and Revolving Retractable

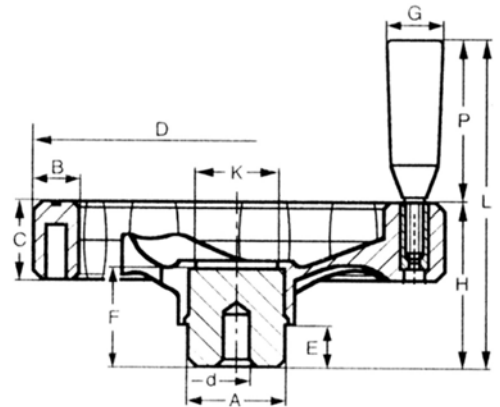
REVOLVING RETRACTABLE HANDLE: Black glass filled nylon plastic with zinc plated steel stern and mechanism

DIMENSIONS: Inch and Metric interchangeable

HEAT RESISTANCE: Nylon Plastic maximum tolerance 230° F (110° C)

MELTING POINT: 446° F (230° C)

STYLE: Strong Long Wearing Modern design



UNITED Spoked Thermoplastic Handwheels are noted for their strength and longevity.

Retractable Handles are excellent for applications requiring the handle be out of the way.

UNITED PART NO.			INCH DIMENSIONS and (METRIC in Parentheses)											
REVOLVING & RETRACTED HANDLE	REVOLVING HANDLE	WITHOUT HANDLE	D	d PILOT HOLE	H	L	C	B	A	E	F	K	G	P
UDB-636040 (M4 x .7)	UDB-636010 (M6 x 1.0)	UDB-635020 (M6 x 1.0)	4.92 (125mm)	.24 (6mm)	2.01 (51mm)	2.98 (101mm)	.94 (24mm)	.67 (17mm)	.94 (24mm)	.47 (12mm)	1.10 (28mm)	.79 (20mm)	.83 (21mm)	1.97 (50mm)
UDB-636045 (M5 x .8)	UDB-636015 (M8 x 1.25)	UDB-635025 (M8 x 1.25)	6.30 (160mm)	.24 (6mm)	2.40 (61mm)	5.16 (131mm)	1.10 (28mm)	.79 (20mm)	1.26 (32mm)	.59 (15mm)	1.22 (31mm)	1.18 (30mm)	.91 (23mm)	2.76 (70mm)
UDB-636050 (M6 x 1.0)	UDB-636020 (M10 x 1.5)	UDB-635030 (M10 x 1.5)	7.87 (200mm)	.24 (6mm)	2.87 (73mm)	6.42 (163mm)	1.26 (32mm)	.91 (23mm)	1.57 (40mm)	.59 (15mm)	1.57 (40mm)	1.38 (35mm)	1.02 (26mm)	3.54 (90mm)

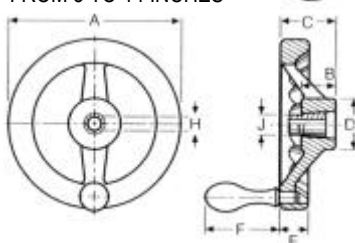
**UNITED Top Quality
Handwheels**

Excellent High Quality Economical Handwheels

UNITED'S UNITIZED* HIGH QUALITY LUSTROUS ALUMINUM HANDWHEELS



DIAMETERS
FROM 3 TO 14 INCHES



All Styles Shown are
available in these standard
sizes or custom-machined to
your specifications.

WITH OR
WITHOUT
HANDLE

SOLID OR
REVOLVING
HANDLE

Preferred for their real quality , long wear and good economy.
High torque and impact resistance.

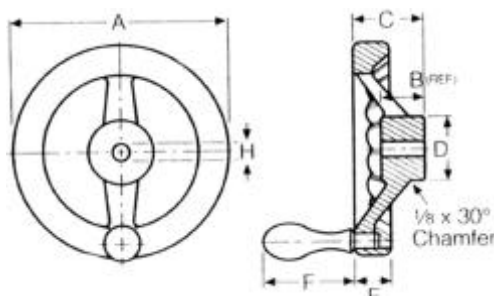
These Unitized Handwheels are cast from non-pitting, non-rusting
and non-corrosive Aluminum Alloy 319 polished.
Lustrous well-designed, non-slip comfortable finger grips.

NO HANDLE	SOLID HANDLE	REVOLVING HANDLE	A	B	C	D	E	SOLID F	REVOLVING F	H
DIMENSIONS IN INCHES and (METRIC IN PARENTHESSES)										
UDB-800003	UDB-800013	UDB-800023	3" (76MM)	.75 (19MM)	1.13 (29MM)	1.13 (29MM)	.63 (16MM)	1.47 (37MM)	1.38 (35MM)	.375 (9.5MM)
UDB-800004	UDB-800014	UDB-800024	4" (102MM)	.88 (22MM)	1.44 (37MM)	1.31 (33MM)	.75 (19MM)	2.00 (51MM)	2.06 (52MM)	.375 (9.5MM)
UDB-800005	UDB-800015	UDB-800025	5" (127MM)	1.00 (25MM)	1.63 (41MM)	1.50 (38MM)	.81 (21MM)	2.13 (54MM)	2.06 (52MM)	.375 (9.5MM)
UDB-800006	UDB-800016	UDB-800026	6" (178MM)	1.13 (29MM)	2.00 (51MM)	1.75 (44MM)	.88 (22MM)	2.75 (70MM)	3.03 (77MM)	.500 (12.7MM)
UDB-800007	UDB-800017	UDB-800027	7" (178MM)	1.25 (32MM)	2.25 (57MM)	1.75 (44MM)	1.00 (25MM)	3.22 (82MM)	3.28 (83MM)	.500 (12.7MM)
UDB-800008	UDB-800018	UDB-800028	8" (203MM)	1.25 (32MM)	2.38 (60MM)	2.13 (54MM)	1.00 (25MM)	3.22 (82MM)	3.28 (83MM)	.625 (15.9MM)
UDB-800010	UDB-800020	UDB-800030	10" (254MM)	1.38 (35MM)	3" (76MM)	2.50 (64MM)	1.13 (29MM)	3.44 (87MM)	3.28 (83MM)	.625 (15.9MM)
UDB-800012	UDB-800022	UDB-800032	12" (305MM)	1.50 (38MM)	3.25 (83MM)	2.75 (70MM)	1.13 (29MM)	4.06 (103MM)	4.13 (105MM)	.750 (19.1MM)
UDB-800014	UDB-800024	UDB-800034	14" (356MM)	1.75 (44MM)	3.50 (89MM)	3" (76MM)	1.22 (31MM)	4.06 (103MM)	4.13 (105MM)	.750 (19.1MM)

UNITED'S UNITIZED* HIGH QUALITY RED or BLACK ENAMELED HANDWHEELS



DIAMETERS FROM 4 TO 10 INCHES



Preferred for their cleaner quality with
no black rub-off from aluminum nor
rust from cast iron.

High torque and impact resistance.

These Unitized Handwheels are cast
319 aluminum with RED or BLACK
long lasting enamel finish.

Lustrous well-designed, non-slip
comfortable finger grips.

RED
or
BLACK
ENAMEL
FINISH

WITH
or
WITHOUT
HANDLE

RED NO HANDLE	BLACK NO HANDLE	RED WITH HANDLE	BLACK WITH HANDLE	A	B	C	D	E	REVOLVING F	H
DIMENSIONS IN INCHES and (METRIC IN PARENTHESSES)										
UDB-818004	UDB-818014	UDB-818024	UDB-818034	4" (102MM)	.88 (22MM)	1.44 (37MM)	1.31 (33MM)	.75 (19MM)	2.06 (52MM)	.375 (9.5MM)
UDB-818005	UDB-818015	UDB-818025	UDB-818035	5" (127MM)	1.00 (25MM)	1.63 (41MM)	1.50 (38MM)	.81 (21MM)	2.06 (52MM)	.375 (9.5MM)
UDB-818006	UDB-818016	UDB-818026	UDB-818036	6" (178MM)	1.13 (29MM)	2.00 (51MM)	1.75 (44MM)	.88 (22MM)	3.03 (77MM)	.500 (12.7MM)
UDB-818007	UDB-818017	UDB-818027	UDB-818037	7" (178MM)	1.25 (32MM)	2.25 (57MM)	1.75 (44MM)	1.00 (25MM)	3.28 (83MM)	.500 (12.7MM)
UDB-818008	UDB-818018	UDB-818028	UDB-818038	8" (203MM)	1.25 (32MM)	2.38 (60MM)	2.13 (54MM)	1.00 (25MM)	3.28 (83MM)	.625 (15.9MM)
UDB-818010	UDB-818020	UDB-818030	UDB-818040	10" (254MM)	1.38 (35MM)	3" (76MM)	2.50 (64MM)	1.13 (29MM)	3.28 (83MM)	.625 (15.9MM)

11-9-98

J12 *Unitized Means High Quality, Functionally Engineered & Competitively Priced!

Black Zinc Die Cast Handwheels With Foldable and Revolving Handles

**Zinc Die Cast
Handwheels**

FOLDABLE REVOLVING HANDLE

Vertical or
Horizontal
Foldable
Black
Phenolic
Handle
fits within
the wheel
rim.

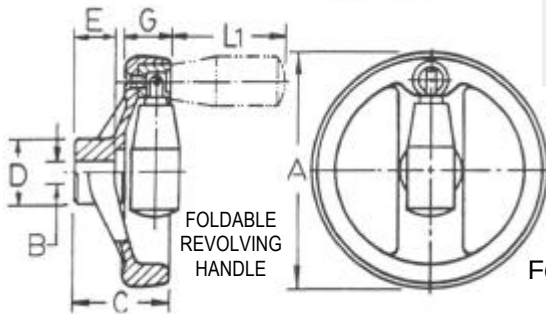


Black handwheels
are made of zinc die
casting
with
your choice of
revolving
or
foldable
revolving
handles.

REVOLVING HANDLE

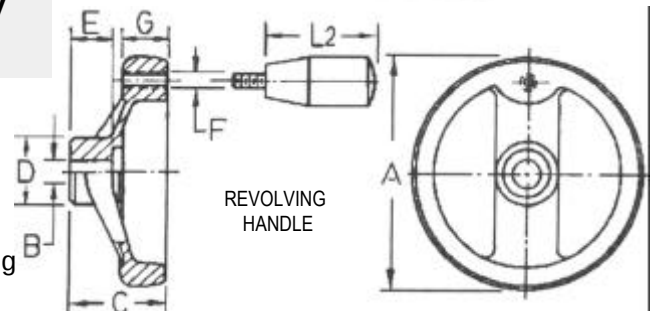


**Beauty
Durability
Economy**



FOLDABLE
REVOLVING
HANDLE

Economical
Light Weight
Revolving or
Foldable Revolving
Handles



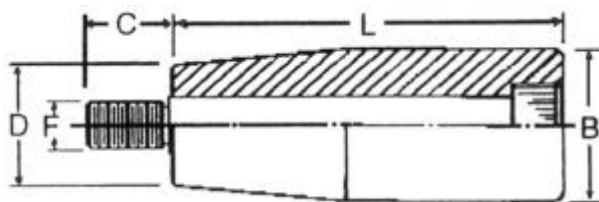
REVOLVING
HANDLE

HANDWHEEL WITH FOLDING HANDLE	HANDWHEEL WITH REVOLVING HANDLE	A	B	C	D	E	F	G	REVOLVING L ₁	FIXED L ₂
UDB-936034	UDB-936044	4"	0.375	1-5/8	1-1/8	.67	1/4 20	3.4	2"	2-3/16
UDB-936035	UDB-936045	5"	0.375	1-3/4	1-1/4	.70	5/16 18	7/8	2-1/2	2-1/2
UDB-936036	UDB-936046	6.3	0.500	1-7/8	1-1/2	.80	3/8 16	1"	3-5/32	3-5/32
UDB-936038	UDB-936048	8"	0.625	2-1/8	1-7/8	1.00	3/8 16	1-1/8	3-5/32	3-5/32

UNITED
Excellence
in design,
strength and
longevity.

Economical — Light Weight — Revolving Handles

ADJUSTABLE HANDLES — REVOLVING



Strong black plastic handle
on a socket head shoulder screw.

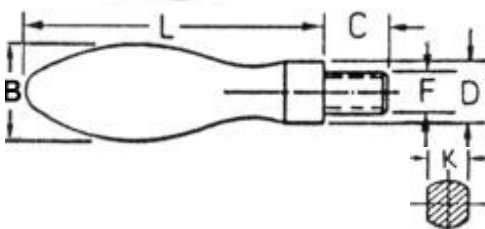
ADJUSTABLE REVOLVING HANDLE	L	B	C	D	F
UDB-936054	1.96	0.85	0.44	0.67	1/4 20
UDB-936056	2.49	0.93	0.50	0.73	5/16 18
UDB-936058	3.24	1.12	0.50	0.88	3/8 16

**UNITED's most popular, most versatile
and most economical revolving handle!**

Handles — Fixed & Revolving

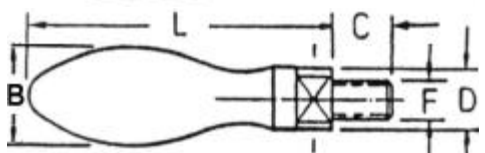
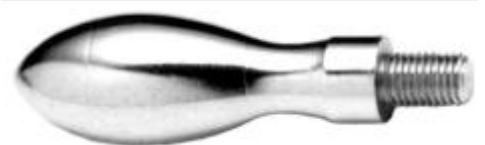
High Strength Handles Fixed and Revolving

REVOLVING



**EXCELLENT QUALITY ELLIPTICAL SHAPED
ALLOY STEEL CHROME HARDENED
HIGH POLISHED HANDLES
ECONOMICAL AND PRACTICAL**

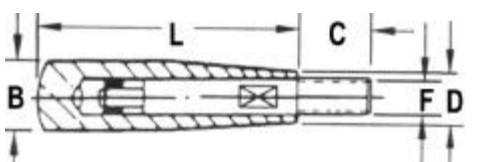
FIXED



FIXED PART NO.	REVOLVING PART NO.	B DIA	L LEN	F THD	C THD LEN	D HUB DIA	K FLAT THICK- NESS
UDB-945270	UDB-945279	1/2	1-11/16 1-7/8	#10-24	3/8	.32	1/4
UDB-945271	UDB-945281	5/8	2" 2-1/4	1/4-20	1/2	.40	5/16
UDB-945272	UDB-945282	13/16	2-5/8 2-13/16	5/16-18	9/16	.51	3/8
UDB-945273	UDB-945283	1"	3-3/16 3-3/8	3/8-16	11/16	.63	7/16
UDB-945274	UDB-945284	1-1/4	3-3/4 4"	1/2-13	13/16	.75	5/8

REVOLVING THREADED — STEEL CHROME PLATED HANDLES

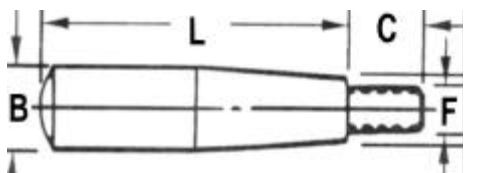
**STEEL CHROME HARDENED HIGH POLISHED HANDLES
HIGH STRENGTH AND LONG LASTING**



THREADED PART NO.	L	B	C	D	F
UDB-945234	2"	5/8	1/2	15/32	1/4
UDB-945236	2-1/2	3/4	9/16	9/16	5/16
UDB-945238	3-1/4	7/8	5/8	5/8	3/8
UDB-945240	4"	1"	3/4	23/32	1/2

FIXED or PRESS FIT THREADED — ALLOY STEEL CHROME PLATED HANDLES

**ALLOY STEEL CHROME PLATED POLISHED HANDLES
QUALITY DESIGNED TO DO THE JOB**



FIXED PART NO.	PRESS FIT PART NO.	L	B	C	D	F
UDB-945242	UDB-945226	2"	1/2	7/16	13/32	1/4-20
UDB-945244	UDB-945228	2-1/2	5/8	9/16	15/32	5/16-18
UDB-945246	UDB-945230	3-1/4	3/4	11/16	19/32	3/8-16
UDB-945248	UDB-945232	4"	1"	13/16	23/32	1/2-13

6-21-02

Balanced Crank Handles

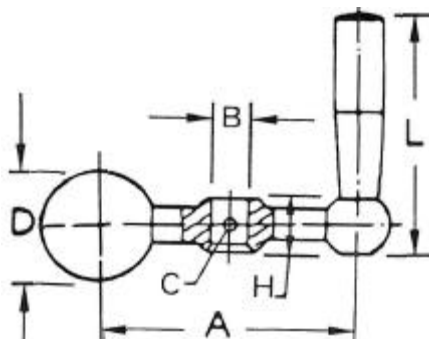
FIXED and SOLID REVOLVING

Crank Handles—Fixed & Solid Revolving

Steel Body – Machined
Polished with Satin Chrome or Bright Chrome Finish
Provided with Fixed Handle

Other inch and bore sizes
available on request.

Provided with Fixed Handle.



BALANCED CRANK HANDLE — FIXED



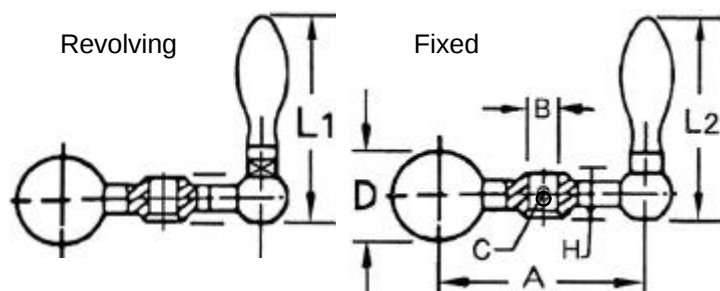
FIXED HANDLE	L	A	B	C	D	H
UDB-945941	2"	2"	5/16	1/8	13/16	7/16
UDB-945942	2-1/2	2-1/2	5/16	1/8	1"	9/16
UDB-945943	3-1/4	3-1/8	3/8	5/32	1-1/4	11/16
UDB-945944	3-1/4	4"	3/8	5/32	1-1/4	11/16
UDB-945945	4"	5"	1/2	3/16	1-1/2	7/8
UDB-945946	4"	6-1/8	1/2	3/16	1-1/2	7/8

UNITED Handles are
balanced at the Center. Hole
is cross drilled on one wall.
Provided with Fixed Modern
Design Handle above.

Noted for their design,
strength and longevity.

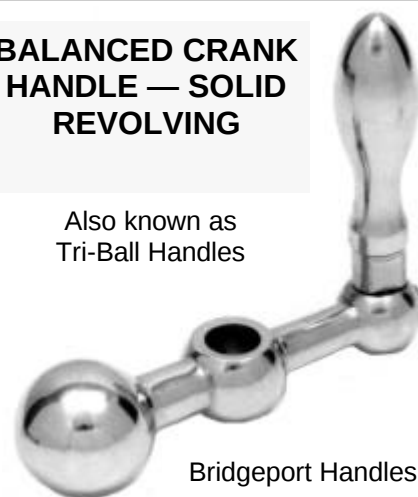
Steel Body — Machined and Highly Polished

Special inch and metric bores larger than those listed and modifications
such as keyways, set screw holes and cross holes are available.



BALANCED CRANK HANDLE — SOLID REVOLVING

Also known as
Tri-Ball Handles



Bridgeport Handles

REVOLVING HANDLE	SOLID HANDLE	A	REVOLVING L ₁	FIXED L ₂	B	C	D	H	KEYWAY
UDB-945930	UDB-945935	2-1/2	2-3/4	2-9/16	5/16	1/8	1"	9/16	
UDB-945931	UDB-945936	3-1/8	3-1/2	3-1/4	3/8	5/32	1-1/4	11/16	
UDB-945932	UDB-945937	4"	3-1/2	3-1/4	3/8	5/32	1-1/4	11/16	
UDB-945933	UDB-945938	5"	4-3/16	3-15/16	1/2	3/16	1-1/2	7/8	
* UDB-945934	* UDB-945939	5"	4-3/16	3-15/16	5/8	3/16	1-1/2	7/8	1/8 x 1/16

Balanced at the
Center. Hole cross
drilled on one wall.

Revolving and Solid
Handles have bright
polished chrome.

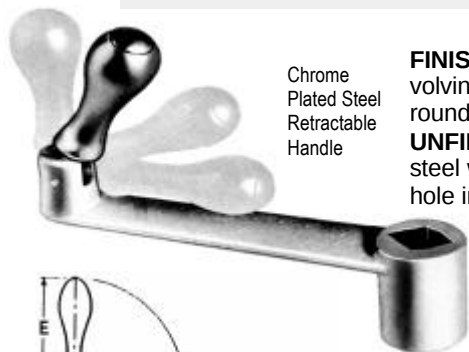
* Replacement handle for Bridgeport Mills

12200 WOODRUFF AVE. DOWNEY, CA 90241-5608 TELEPHONE (562) 803-1521 / (800) 421-3466 IN CA / (800) 486-3466 FAX (562) 803-6898 / (800) 486-3465
4-30-00 EMAIL united@ucc-udb.com WEBSITE www.ucc-udb.com

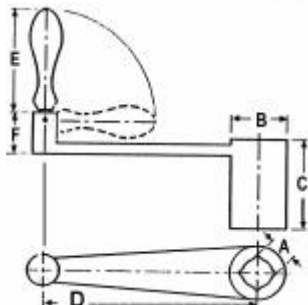
Crank Handles – Fold Away, Forged & Malleable

Fold Away Retractable, Original Forged and Malleable Crank Handles

FOLD AWAY



Chrome Plated Steel Retractable Handle



FINISHED — Broached, counterbored in free end of hub. Crank finish is gray enamel. Revolving Fold Away Handle is chrome plated steel. Broached openings with corners slightly rounded to prevent breakage.

UNFINISHED — Plain malleable crank. Revolving Fold Away handle is chrome plated steel without hole in the hub.

FOLD AWAY CRANK — Finished and Unfinished

PART NO.	A (SQ.)	B	C	D	E	F
DIMENSIONS IN INCHES and (METRIC IN PARENTHESES)						
UDB-818221 UNFINISHED		1.31 (33MM)	2.06 (52MM)	5" (127MM)	3.19 (81MM)	1.50 (38MM)
UDB-818222 UNFINISHED		1.31 (33MM)	2.19 (56MM)	6" (152MM)	3.19 (81MM)	1.50 (38MM)
UDB-818223 UNFINISHED		1.44 (37MM)	2.31 (59MM)	7" (178MM)	3.19 (81MM)	1.50 (38MM)
UDB-818224 FINISHED	.625 (15.9MM)	1.31 (33MM)	1.81 (46MM)	5" (127MM)	3.19 (81MM)	1.50 (38MM)
UDB-818225 FINISHED	.688 (17.5MM)	1.31 (33MM)	1.94 (49MM)	6" (152MM)	3.19 (81MM)	1.50 (38MM)
UDB-818226 FINISHED	.750 (19.1MM)	1.44 (37MM)	2.06 (52MM)	7" (178MM)	3.19 (81MM)	1.50 (38MM)

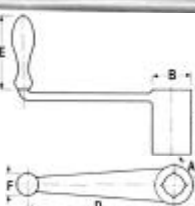
Broached, Plain or Custom Broached to Customer specs.

ORIGINAL FORGED CRANK HANDLE



Forged Tough

This one started your Grandfather's Model-T!



SOLID Construction

Solid one-piece forged handle for severe usage. Body can be broached or furnished plain for custom fitting or we will do it for you! Material is 1018 Carbon Steel.

FINISHED — Broached, counterbored in free end of hub. Broached openings have rounded corners to prevent breakage. Machine gray finish.

UNFINISHED	BROACHED	FINISHED	A (SQ.)	B	C	D	E	F
DIMENSIONS IN INCHES and (METRIC IN PARENTHESES)								
UDB-801072	UDB-801082	UDB-801092	.563 (14.3MM)	1.25 (32MM)	1.38 (35MM)	4" (102MM)	3.13 (79MM)	1.00 (25MM)
UDB-801073	UDB-801083	UDB-801093	.625 (15.9MM)	1.25 (32MM)	1.81 (46MM)	5" (127MM)	3.13 (79MM)	1.00 (25MM)
UDB-801075	UDB-801085	UDB-801095	.750 (19.1MM)	1.38 (35MM)	2.06 (52MM)	7" (178MM)	3.38 (86MM)	1.13 (29MM)
UDB-801076	UDB-801086	UDB-801096	.875 (22.3MM)	1.56 (40MM)	2.44 (62MM)	8" (203MM)	3.63 (92MM)	1.13 (29MM)

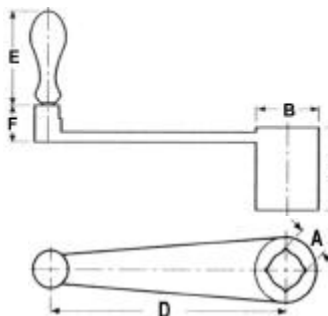
MALLEABLE CRANK HANDLE



CHROME PLATED HIGH POLISHED HANDLES.

STRONG DUCTILE and SHOCK RESISTANT.

FINISHED and UNFINISHED.



SOLID or REVOLVING

FINISHED — Broached, counterbored in free end of hub. Crank finish is gray enamel.

Revolving Handle is chrome plated steel. Broached openings with corners slightly rounded to prevent breakage.

UNFINISHED — Plain malleable crank. Revolving handle is chrome plated steel without hole in the hub. Material is cast ductile iron.

REVOLVING UNFINISHED	REVOLVING FINISHED	SOLID UNFINISHED	SOLID FINISHED	FINISHED A (SQ.)	HUB DIA. B	UNFINISHED C	FINISHED C	D	REVOLVING E	SOLID E	F
DIMENSIONS IN INCHES and (METRIC IN PARENTHESES)											
UDB-801064	UDB-801056	UDB-801060	UDB-801068	.563 (14.3MM)	1.31 (33MM)	1.63 (41MM)	1.38 (35MM)	4" (102MM)	2.06 (52MM)	2.13 (54MM)	.81 (21MM)
UDB-801065	UDB-801057	UDB-801061	UDB-801069	.625 (15.9MM)	1.31 (33MM)	2.06 (52MM)	1.81 (46MM)	5" (127MM)	3.03 (77MM)	2.38 (60MM)	.94 (24MM)
UDB-801066	UDB-801058	UDB-801062	UDB-801070	.688 (17.5MM)	1.31 (33MM)	2.19 (56MM)	1.94 (49MM)	6" (152MM)	3.03 (77MM)	2.75 (70MM)	.94 (24MM)
UDB-801067	UDB-801059	UDB-801063	UDB-801071	.750 (19.1MM)	1.44 (37MM)	2.31 (59MM)	2.06 (52MM)	7" (178MM)	3.28 (83MM)	3.22 (82MM)	.94 (24MM)

11-9-98

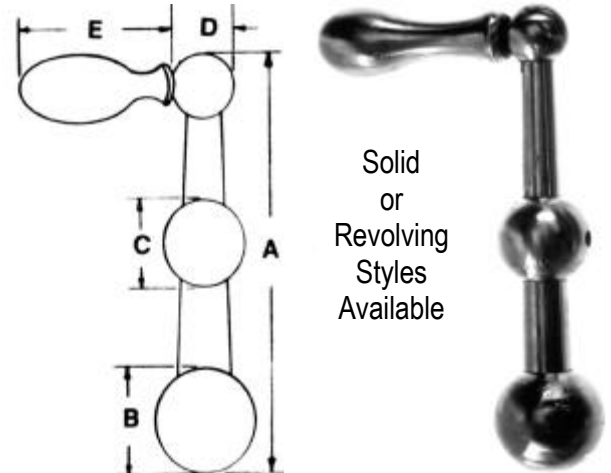
Speed Ball Balanced Cranks and Iron or Aluminum Handles

Revolving or Solid.
All center balls drilled with 1/4" Pilot Hole.
Machined from solid bar steel and bright polished.

**Speed Ball Cranks &
Multi-Use Handles**

The Original "Speed Ball" BALANCED CRANK HANDLES

SPEED BALL Dimensions Inches and (Metric in parentheses)							
SOLID	REVOLVING	A OAL LENGTH	B BALL LARGE	C BALL MEDIUM	D BALL SMALL	E SOLID	E REVOLVING
UDB-954900		3.0 (76MM)	1.00 (25MM)	.88 (22MM)	.63 (16MM)	1.47 (37MM)	
UDB-954902	UDB-954903	3.5 (89MM)	1.13 (29MM)	1.00 (25MM)	.75 (19MM)	1.72 (44MM)	2.06 (52MM)
UDB-954904	UDB-954905	4.0 (102MM)	1.25 (32MM)	1.13 (29MM)	.81 (21MM)	2.00 (51MM)	2.06 (52MM)
UDB-954906	UDB-954907	4.5 (114MM)	1.38 (35MM)	1.25 (32MM)	.94 (24MM)	2.13 (54MM)	2.06 (52MM)
UDB-954908	UDB-954909	5.0 (127MM)	1.50 (38MM)	1.31 (33MM)	1.00 (25MM)	2.38 (60MM)	3.03 (77MM)
UDB-954910	UDB-954911	5.5 (140MM)	1.50 (38MM)	1.31 (33MM)	1.00 (25MM)	2.38 (60MM)	3.03 (77MM)
UDB-954912	UDB-954913	6.0 (152MM)	1.63 (41MM)	1.38 (35MM)	1.00 (25MM)	2.75 (70MM)	3.03 (77MM)
UDB-954914	UDB-954915	6.5 (165MM)	1.63 (41MM)	1.38 (35MM)	1.00 (25MM)	2.75 (70MM)	3.28 (83MM)
UDB-954916	UDB-954917	7".0 (178MM)	1.75 (44MM)	1.44 (37MM)	1.00 (25MM)	3.22 (82MM)	3.28 (83MM)



Solid
or
Revolving
Styles
Available

Speed Ball Handles are revolving or solid.
Noted for their Design, Strength and Longevity.

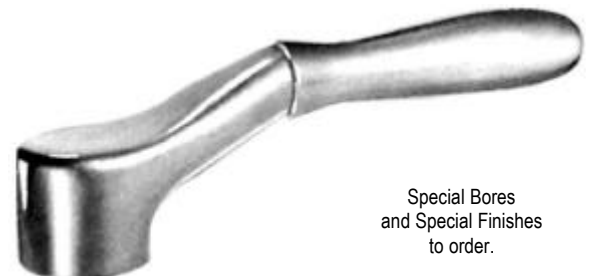
Use **UNITED STRONG IRON** or **ALUMINUM HANDLES**
when high quality and ease of use is required.

Aluminum Alloy Polished Clear Chromate Finish

All Steel Hard Bright Chrome Plated Finish

AVAILABLE In BLACK OXIDE FINISH

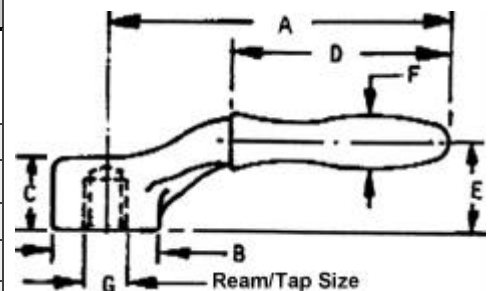
Easy Sure Grip Action.



Special Bores
and Special Finishes
to order.

MALLEABLE IRON and ALUMINUM HANDLES

MALLEABLE IRON	ALUMINUM	A LENGTH	B HUB DIA.	C HEAD HT.	D GRIP LENGTH	E HT. OFFSET	F GRIP DIA.	G HOLE CONDITION
UCC-801620	UCC-801622	4"	1-1/4	7/8	2-1/2	1-1/16	5/8	BLANK
UCC-801624	UCC-801626							.500 REAM
UCC-801628	UCC-801630							.625 REAM
UCC-801632	UCC-801634							1/2-13 TAP
UCC-801636	UCC-801638							5/8-11 TAP
UCC-801640	UCC-801642	5"	1-5/16	1-1/4	3"	1-5/8	3/4	BLANK
UCC-801644	UCC-801646							.625 REAM
UCC-801648	UCC-801650							.750 REAM
UCC-801652	UCC-801654							5/8-11 TAP
UCC-801656	UCC-801658							3/4-10 TAP
UCC-801660	UCC-801662	6"	1-1/2	1-3/8	3-3/4	1-3/4	15/16	BLANK
UCC-801664	UCC-801666							.750 REAM
UCC-801668	UCC-801670							3/4-10 TAP



THE HANDLE FOR LIFE!

MULTI-USE HANDLES

Try **UNITED** for the Best!

Crank Handles — Revolving & Folding

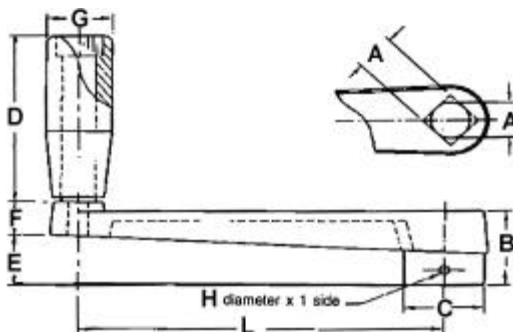
Revolving and Folding Crank Handles in Aluminum Die Cast with Black Finish

REVOLVING — Crank Han- dles



WITH PLASTIC
REVOLVING HANDLE

ECONOMICAL AND PRACTICAL!



HIGH QUALITY
ALUMINUM DIE
CAST BODY
WITH BLACK FINISH
PLASTIC HANDLE

BORED ROUND
HOLES
OR
BROACHED
SQUARE HOLES
AVAILABLE

HIGH
STRENGTH
AND
LONG
LASTING

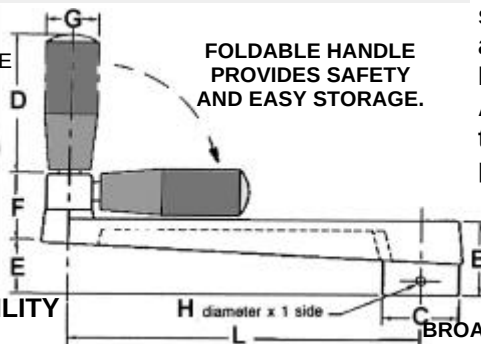
BORED Round Hole	BROACHED Square Hole	A Hole Dia	L Length	B Thickness	C O. D.	D Height	E Clearance	F Hub	G Handle Dia	H Dia
UCC-801005	UCC-801005B	5/16	1.20	0.68	0.55	0.94	0.34	0.37	0.56	
UCC-801006	UCC-801006B	3/8	2.52	0.79	0.75	1.22	0.43	0.47	0.70	1/16
UCC-801006A	UCC-801006AB	3/8	3.15	0.95	0.91	1.97	0.55	0.55	0.85	1/16
UCC-801008	UCC-801008B	1/2	3.94	1.10	1.06	2.50	0.67	0.59	0.93	3/32
UCC-801010	UCC-801010B	5/8	4.92	1.34	1.26	3.25	0.87	0.71	1.12	3/32
UCC-801012	UCC-801012B	3/4	6.30	1.50	1.38	3.25	1.02	0.71	1.12	3/32

FOLDABLE REVOLVING Crank Handles — Aluminum Die Cast



WITH PLASTIC
REVOLVING HANDLE

Remains Upright for Operation.



FOLDABLE HANDLE
PROVIDES SAFETY
AND EASY STORAGE.

Handle folds away by pulling
spring-loaded Handle out
and pushing it down.
Female thread for attaching.
A 3mm Roll Pin is provided
to pin down head and
prevent head from turning.

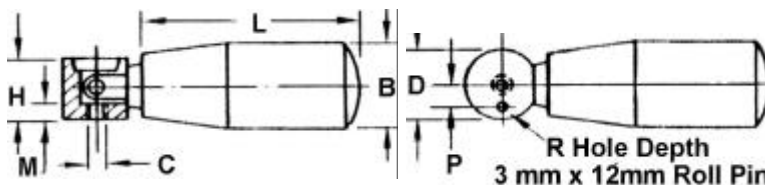
MODERN DESIGN FOR LASTING DURABILITY

ALUMINUM DIE CAST BODY
WITH SMOOTH FINISH BLACK
PLASTIC FOLDABLE HANDLE.
BORED ROUND HOLES OR
BROACHED SQUARE HOLES AVAILABLE.

VALUE
AND
QUALITY
DESIGNED
TO DO THE
JOB!

BORED Round Hole	BROACHED Square Hole	A Hole Dia	L Length	B Thickness	C O. D.	D Height	E Clearance	F Hub	G Handle Dia	H Dia
UCC-801108	UCC-801108B	1/2	3.94	1.10	1.06	2.00	0.67	1.22	0.88	3/32
UCC-801110	UCC-801110B	5/8	4.92	1.34	1.26	2.50	0.87	1.49	0.94	3/32
UCC-801112	UCC-801112B	3/4	6.30	1.50	1.38	3.15	1.02	1.49	1.00	3/32

FOLDABLE REVOLVING HANDLE ONLY — Aluminum Die



SMOOTH
FINISH
BLACK
PLASTIC
FOLDABLE
HANDLE

MODERN DESIGN
with LASTING
DURABILITY

HANDLE ONLY	A FITS HOLE	L	B	C	D	H	M	P	R
UCC-801032	1/2	2.00	7/8	10-24	0.630	5/8	5/32	0.197	0.158
UCC-801040	5/8	2.50	15/16	1/4-20	0.780	25/32	7/32	0.276	0.197
UCC-801048	3/4	3.15	1"	1/4-20	0.780	25/32	7/32	0.276	0.197

6-28-99

J18 **Unitized Means High Quality, Functionally Engineered & Competitively Priced!**

Cabinet, Lift and Pull Handles

Noted for their modern design, strength and longevity.

**Cabinet and Pull
Handles from UNITED**

UNITED's handsome modern handle has
an oval cross-section with a comfortable grip.

Aluminum die casting anodized black smooth finish.
Two blind 1/4" 20 threaded holes for mounting.

OVAL HANDLE	A	C	F	G
UDB-945948	4.50	4.0	1/4-20	0.47
UDB-945949	6.0	5.5	1/4-20	0.47
UDB-945950	8.0	7.5	1/4-20	0.47

You'll want
to grab this
UNITED
Beauty!



OVAL PULL or CABINET HANDLES

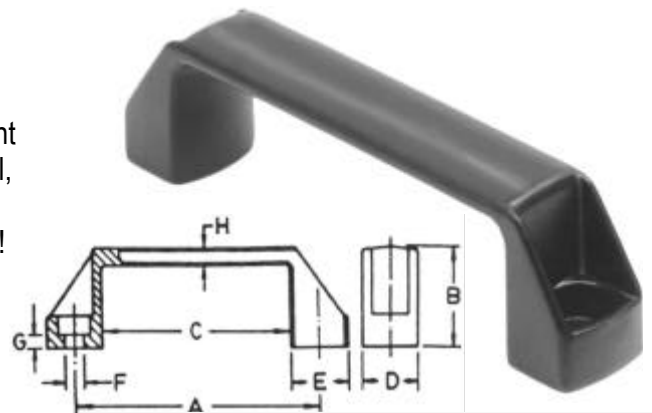
Zinc die casting allows easy front mounting.

Strong, dark, handsome and smooth United Handles!

Designed for use with
socket head screws
or
slotted fillister head screws.

If you want
some pull,
call
UNITED!

RECTANGULAR HANDLE	A	B	C	D	E	F	G	H
UDB-945952	3.50	1.42	2.76	0.79	0.79	1/4	0.20	0.24
UDB-945953	4.75	1.58	3.78	1.02	0.87	5/16	0.24	0.28
UDB-945954	7"	1.97	6.22	1.10	0.83	5/16	0.35	0.32

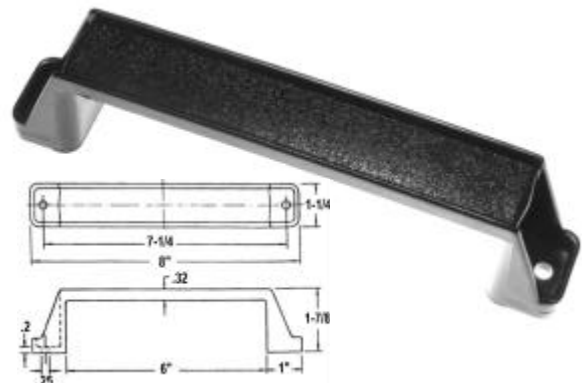


RECTANGULAR CABINET

Ergonomic styling at its best!

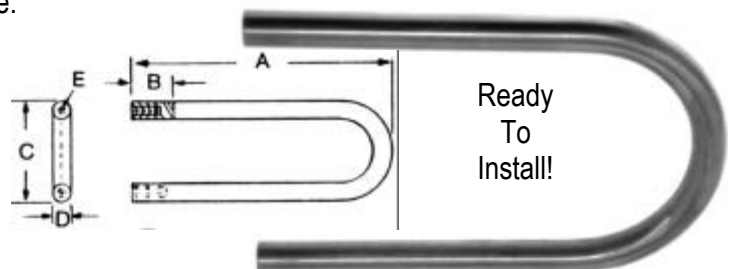
This Sure-Grip Handle with clean lines
is **UNITED's**
ABS Plastic Standard Handle
Model UDB-945956

This Pristine
Plastic Handle
for Pennies
from **UNITED!**



For that special task! Ask for our
Tough Aluminum tapped Multi-Pin Electrical Handle.

MULTI-PIN ELECTRICAL	A	B	C	D	E THD SIZE
UDB-952097	4	1/2	1.848	3/16	2-56-NC-2B
UDB-952098	4	1/2	2.194	5/16	4-40-NC-2B
UDB-952099	4	1/2	1.437	5/16	4-40-NC-2B



Ready
To
Install!

MULTI-PIN ELECTRICAL HANDLES

Adjustable Release-Engage Handles

ADJUSTABLE RELEASE/ENGAGE TAPPED HANDLES — TYPE A



ZINC DIE CAST STEEL

ERGONOMICALLY
DESIGNED

The releasing movement is smooth and easy.

- Lift the handle and the spine engages.
- To loosen or tighten, release the handle.

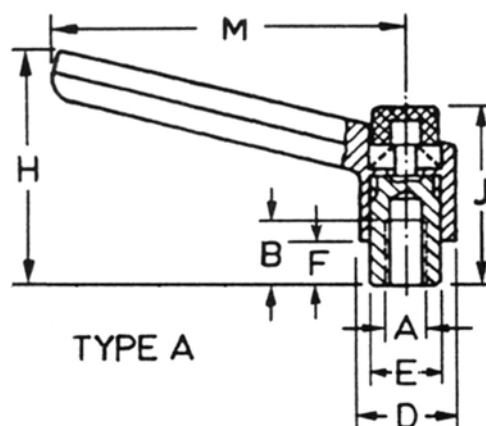
Special tapped sizes are available on request.

Stud types next page.

Handle body is black.
Release button is blue.

Other colors in quantity are available. Currently we provide yellow, green and blue release buttons.

Adjustable Handles Release/Engage Tapped Type A



TYPE A

UNITED's modern attractive zinc die cast handles are designed with the user in mind.

UNITED'S HANDSOME
MODERN ADJUSTABLE
HANDLES

RELEASE ACTION:
Lift handle to
disengage the spine.

ENGAGE ACTION:
Release the handle to
engage for tightening
or loosening.

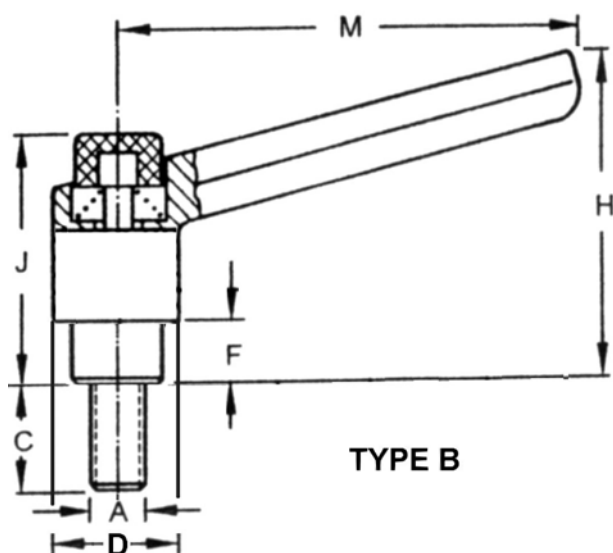
TAPPED TYPE A

TYPE A TAPPED	A USA	A METRIC	B	D	E	F	H	M	J
UDB-951190	1/8 Ream		5/16	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951192	#10 – 24		5/16	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951194	1/4 – 20		5/16	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951196		M6	5/16	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951208	1/8 Ream		7/16	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951210	1/4 – 20		7/16	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951212	5/16 – 18		7/16	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951214		M8	7/16	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951226	1/4 Ream		1/2	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951228	5/16 – 18		1/2	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951230	3/8 – 16		1/2	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951232		M10	1/2	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951244	5/16 Ream		5/8	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951246	3/8 – 16		5/8	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951248	1/2 – 13		5/8	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951250		M12	5/8	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951262	3/8 Ream		7/8	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951264	1/2 – 13		7/8	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951266	5/8 – 11		7/8	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951268		M16	7/8	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32

Adjustable Handles Engage/Release Stud Type B

**Adjustable Release-
Engage Handles**

**ADJUSTABLE RELEASE/ENGAGE HANDLES
WITH STUD TYPE B**



ZINC DIE CAST STEEL

**ERGONOMICALLY
DESIGNED**

The releasing movement is smooth and easy. Lift the handle and the spine engages. To loosen or tighten, release the handle.

RELEASE ACTION:
Lift handle to
disengage the spine.

ENGAGE ACTION:
Release the handle to
engage for tightening
or loosening.

STUD TYPE B

ZINC DIE CAST STEEL

ADJ. HANDLE STUD TYPE B	A USA	ADJ. HANDLE STUD TYPE B	A METRIC	C	D	E	F	H	M	J
UDB-951198	1/4 - 20	UDB-951199	M6	1/2	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951200	1/4 - 20	UDB-951201	M6	3/4	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951202	1/4 - 20	UDB-951203	M6	1"	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951204	1/4 - 20	UDB-951205	M6	1-1/2	19/32	25/64	5/32	1-3/8	1-3/4	1"
UDB-951216	5/16 - 18	UDB-951217	M8	3/4	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951218	5/16 - 18	UDB-951219	M8	1"	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951220	5/16 - 18	UDB-951221	M8	1-1/2	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951222	5/16 - 18	UDB-951223	M8	2"	3/4	17/32	5/16	1-7/8	2-9/16	1-5/16
UDB-951234	3/8 - 16	UDB-951235	M10	3/4	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951236	3/8 - 16	UDB-951237	M10	1"	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951238	3/8 - 16	UDB-951239	M10	1-1/2	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951240	3/8 - 16	UDB-951241	M10	2"	7/8	5/8	13/32	2-1/8	3-1/8	1-21/32
UDB-951252	1/2 - 13	UDB-951253	M12	1"	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951254	1/2 - 13	UDB-951255	M12	1-1/2	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951256	1/2 - 13	UDB-951257	M12	2"	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951258	1/2 - 13	UDB-951259	M12	2-1/2	1-1/16	3/4	13/32	2-1/2	3-3/4	1-13/16
UDB-951270	5/8 - 11	UDB-951271	M16	1-1/2	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951272	5/8 - 11	UDB-951273	M16	2"	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951274	5/8 - 11	UDB-951275	M16	2-1/2	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32
UDB-951276	5/8 - 11	UDB-951277	M16	3"	1-1/4	29/32	7/16	2-7/8	4-5/16	2-5/32

Special stud sizes are available on request.

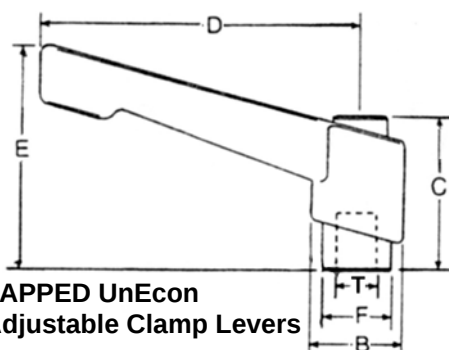
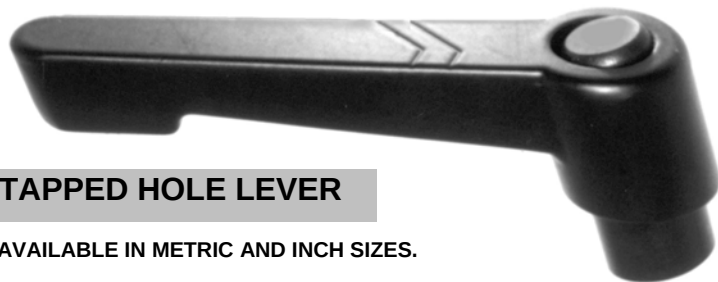
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**Handle body is black.
Release button is blue.**

Other colors in quantity are available. Currently we provide yellow, green and blue release buttons.

Adjustable Clamping Levers

Economical Adjustable Clamping Levers



UnEcon
—
The Name
For **UNITED**
Economy

TAPPED HOLE LEVER

AVAILABLE IN METRIC AND INCH SIZES.

TAPPED UnEcon
Adjustable Clamp Levers

UNITED's UnEcon Adjustable Clamping Levers are manufactured from glass fiber reinforced polyimide to resist oils, solvents and shop chemicals.

Clean modern design has tapped hole and steel bushing with internal thread zinc plated.

Lift and Rotate will disengage Handle's swivel and move to an ideal clamp position.

Release to automatically engage!

❶ Handle has internal thread style.

❷ Bushing and Screw are made from zinc-plated steel.

❸ Handle is made from glass-fiber reinforced polyimide.

❹ Black Handle Levers and buttons are provided. Other button colors available in quantity on request.

❺ Special threads and bores are available on request.

❻ Resists oils and shop chemicals

❼ **UnEcon — Another UNITED economical product!**

TAPPED USA INCH SIZES — UnEcon Adjustable Clamping Levers

Inch PART NO.	T THD	B	C	D	E	F
UDB-947801	#10 – 24	.63	1.04	1.65	1.38	.47
UDB-947802	#10 – 32	.63	1.04	1.65	1.38	.47
UDB-947803	1/4 – 20	.63	1.04	1.65	1.38	.47
UDB-947804	1/4 – 20	.79	1.42	2.56	1.97	.59
UDB-947805	5/16 – 18	.79	1.42	2.56	1.97	.59
UDB-947806	5/16 – 18	.98	1.81	3.15	2.48	.79
UDB-947807	3/8 – 16	.98	1.81	3.15	2.48	.79
UDB-947808	1/2 – 13	.98	1.81	3.15	2.48	.79

Select optional button colors of orange, red, blue or yellow for quotation in quantities.
Black is standard.

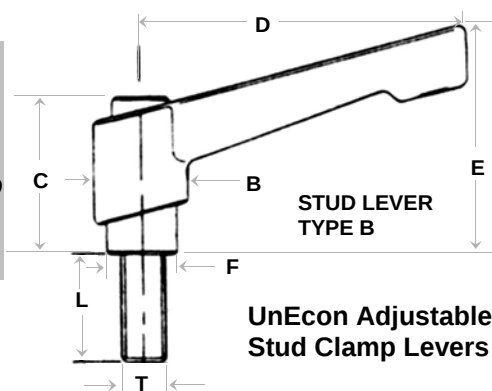
TAPPED METRIC SIZES — UnEcon Adjustable Clamping Levers

Metric PART NO.	T THD	B	C	D	E	F
UDB-947901	M4	16MM	26.5MM	42MM	35MM	12MM
UDB-947902	M5	16MM	26.5MM	42MM	35MM	12MM
UDB-947903	M6	16MM	26.5MM	42MM	35MM	12MM
UDB-947904	M6	20MM	36MM	65MM	50MM	15MM
UDB-947905	M8	20MM	36MM	65MM	50MM	15MM
UDB-947906	M8	25MM	46MM	80MM	63MM	20MM
UDB-947907	M10	25MM	46MM	80MM	63MM	20MM
UDB-947908	M12	25MM	46MM	80MM	63MM	20MM

Economical Adjustable Clamping Levers with Studs

Adjustable Clamping
Levers with Studs

UnEcon
—
The Name
For **UNITED**
Economy



CLAMPING STUD LEVERS

STUD LEVER TYPE B

GLASS FIBER REINFORCED POLYIMIDE
WITH ZINC PLATED STUD

AVAILABLE IN METRIC AND INCH SIZES.

UnEcon Adjustable Clamping Levers with Stud — INCH SIZES

Inch PART NO.	T THD	L	B	C	D	E	F
UDB-947820	#10 – 32	.39	.63	1.04	1.65	1.38	.47
UDB-947821	#10 – 32	.79	.63	1.04	1.65	1.38	.47
UDB-947822	1/4 – 20	.59	.63	1.04	1.65	1.38	.47
UDB-947823	1/4 – 20	.79	.63	1.04	1.65	1.38	.47
UDB-947824	1/4 – 20	1.18	.63	1.04	1.65	1.38	.47
UDB-947825	5/16 – 18	.59	.79	1.42	2.56	1.97	.59
UDB-947826	5/16 – 18	.79	.79	1.42	2.56	1.97	.59
UDB-947827	5/16 – 18	1.18	.79	1.42	2.56	1.97	.59
UDB-947828	5/16 – 18	1.57	.79	1.42	2.56	1.97	.59
UDB-947829	3/8 – 16	.79	.98	1.81	3.15	2.48	.79
UDB-947830	3/8 – 16	1.18	.98	1.81	3.15	2.48	.79
UDB-947831	3/8 – 16	1.57	.98	1.81	3.15	2.48	.79
UDB-947832	3/8 – 16	1.97	.98	1.81	3.15	2.48	.79
UDB-947833	1/2 – 13	1.18	.98	1.81	3.15	2.48	.79
UDB-947834	1/2 – 13	1.97	.98	1.81	3.15	2.48	.79

UnEcon Adjustable Clamping Levers with Stud — METRIC SIZES

Metric PART NO.	T THD	L	B	C	D	E	F
UDB-947920	M5	10MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947921	M5	20MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947922	M5	30MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947923	M6	10MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947924	M6	15MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947925	M6	20MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947926	M6	25MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947927	M6	30MM	16MM	26.5MM	42MM	35MM	12MM
UDB-947928	M8	15MM	20MM	36MM	65MM	50MM	15MM
UDB-947929	M8	20MM	20MM	36MM	65MM	50MM	15MM
UDB-947930	M8	25MM	20MM	36MM	65MM	50MM	15MM
UDB-947931	M8	30MM	20MM	36MM	65MM	50MM	15MM
UDB-947932	M8	40MM	20MM	36MM	65MM	50MM	15MM
UDB-947933	M10	20MM	25MM	46MM	80MM	63MM	20MM
UDB-947934	M10	30MM	25MM	46MM	80MM	63MM	20MM
UDB-947935	M10	40MM	25MM	46MM	80MM	63MM	20MM
UDB-947936	M10	50MM	25MM	46MM	80MM	63MM	20MM
UDB-947937	M12	30MM	25MM	46MM	80MM	63MM	20MM
UDB-947938	M12	40MM	25MM	46MM	80MM	63MM	20MM
UDB-947939	M12	50MM	25MM	46MM	80MM	63MM	20MM

Editor's Special:

**Buy 24 of this style and
get the 25th Lever
for
FREE!**

❶ Long Wear Steel Stud.

❷ Bushing and Stud are
steel zinc-plated.

❸ Handle is made from
glass-fiber reinforced
polyimide.

❹ Black Handle Levers and
buttons are provided.
Other colors available
in quantity on request.
See previous page.

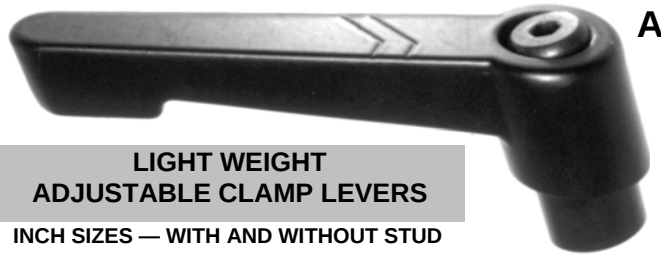
❺ Most economical Lever
available for value and
utility.

❻ Resists oils and shop
chemicals

❼ **UnEcon — Another
UNITED economical
product!**

Adjustable Clamping Levers

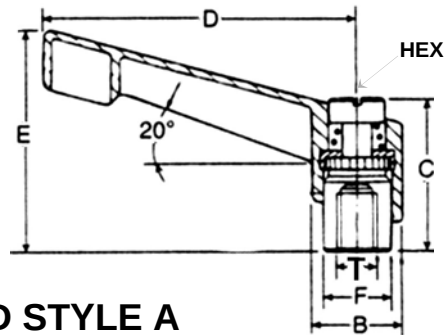
Economical Adjustable Clamping Levers



**LIGHT WEIGHT
ADJUSTABLE CLAMP LEVERS**

INCH SIZES — WITH AND WITHOUT STUD

THERMOPLASTIC OR TOUGH LONG WEAR
DIE CAST STEEL



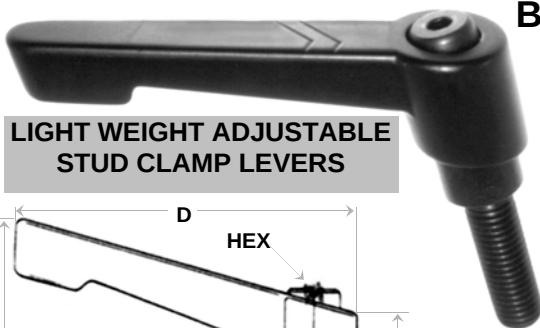
UnEcon
—
The Name
For **UNITED**
Economy

U. S. Patent
5,533,232

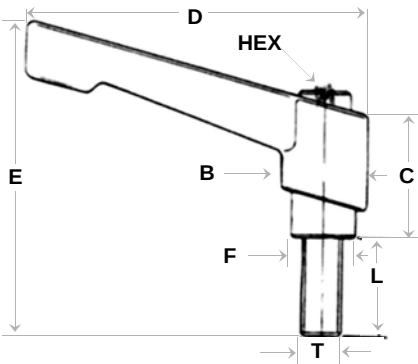
TAPPED STYLE A

UnEcon Adjustable Clamping Levers — INCH SIZES

PLASTIC HANDLE	DIE CAST HANDLE	T THD	B	C	D	E	F	HEX
UDB-947101P	UDB-947101S	#10 – 24	.55	.95	1.65	1.30	.39	1/8
UDB-947102P	UDB-947102S	#10 – 32	.55	.95	1.65	1.30	.39	1/8
UDB-947103P	UDB-947103S	1/4 – 20	.55	.95	1.65	1.30	.39	5/32
UDB-947104P	UDB-947104S	1/4 – 20	.71	1.22	2.56	1.77	.53	5/32
UDB-947105P	UDB-947105S	5/16 – 18	.71	1.22	2.56	1.77	.53	5/32
UDB-947106P	UDB-947106S	5/16 – 18	.86	1.41	3.07	2.12	.63	5/32
UDB-947107P	UDB-947107S	3/8 – 16	.86	1.41	3.07	2.12	.63	3/16
UDB-947108P	UDB-947108S	3/8 – 16	.98	1.69	3.62	2.52	.75	3/16
UDB-947109P	UDB-947109S	1/2 – 13	.98	1.69	3.62	2.52	.75	3/16
—	UDB-947112S	1/2 – 13	1.18	1.98	4.25	2.95	.91	3/16
—	UDB-947113S	5/8 – 11	1.18	1.98	4.25	2.95	.91	3/16



**LIGHT WEIGHT ADJUSTABLE
STUD CLAMP LEVERS**



STUD TYPE B

U.S.A. INCH LEVERS

UnEcon Adjustable Clamping Levers with Stud — INCH SIZES

PLASTIC HANDLE	DIE CAST HANDLE	T THD	L	B	C	D	E	F	HEX
UDB-947331P	UDB-947331S	#10 – 24	.63	.55	.95	1.65	1.30	.39	1/8
UDB-947332P	UDB-947332S	#10 – 32	.63	.55	.95	1.65	1.30	.39	1/8
UDB-947333P	UDB-947333S	#10 – 32	1.25	.55	.95	1.65	1.30	.39	1/8
UDB-947334P	UDB-947334S	1/4 – 20	.78	.55	.95	1.65	1.30	.39	5/32
UDB-947335P	UDB-947335S	1/4 – 20	1.25	.55	.95	1.65	1.30	.39	5/32
UDB-947336P	UDB-947336S	1/4 – 20	1.57	.55	.95	1.65	1.30	.39	5/32
UDB-947337P	UDB-947337S	1/4 – 20	.98	.71	1.22	2.56	1.77	.53	5/32
UDB-947338P	UDB-947338S	5/16 – 18	.78	.71	1.22	2.56	1.77	.53	5/32
UDB-947339P	UDB-947339S	5/16 – 18	1.57	.71	1.22	2.56	1.77	.53	5/32
UDB-947340P	UDB-947340S	5/16 – 18	1.97	.86	1.41	3.07	2.12	.63	5/32
UDB-947341P	UDB-947341S	5/16 – 18	2.48	.71	1.22	2.56	1.77	.53	3/16
UDB-947342P	UDB-947342S	3/8 – 16	.78	.71	1.22	2.56	1.77	.53	3/16
UDB-947343P	UDB-947343S	3/8 – 16	1.25	.71	1.22	2.56	1.77	.53	3/16
UDB-947344P	UDB-947344S	3/8 – 16	1.57	.71	1.22	2.56	1.77	.53	3/16
UDB-947345P	UDB-947345S	3/8 – 16	1.57	.86	1.41	3.07	2.12	.63	3/16
UDB-947346P	UDB-947346S	3/8 – 16	1.97	.86	1.41	3.07	2.12	.63	3/16
UDB-947347P	UDB-947347S	3/8 – 16	1.57	.98	1.69	3.62	2.52	.75	3/16
UDB-947348P	UDB-947348S	3/8 – 16	1.97	.98	1.69	3.62	2.52	.75	3/16
UDB-947349P	UDB-947349S	1/2 – 13	1.25	.98	1.69	3.62	2.52	.75	3/16
UDB-947350P	UDB-947350S	1/2 – 13	1.57	.98	1.69	3.62	2.52	.75	3/16
UDB-947351P	UDB-947351S	1/2 – 13	1.97	.98	1.69	3.62	2.52	.75	3/16
UDB-947352P	UDB-947352S	1/2 – 13	2.48	.98	1.69	3.62	2.52	.75	3/16
UDB-947353P	UDB-947353S	1/2 – 13	1.57	1.18	1.98	4.25	2.95	.91	3/16
UDB-947354P	UDB-947354S	1/2 – 13	2.48	1.18	1.98	4.25	2.95	.91	3/16
UDB-947355P	UDB-947355S	5/8 – 11	1.57	1.18	1.98	4.25	2.95	.91	3/16
UDB-947356P	UDB-947356S	5/8 – 11	2.48	1.18	1.98	4.25	2.95	.91	3/16

❶ Two Handle styles: Long
life die cast Zinc
Handle, or

❷ Handle made from black
Thermoplastic with
metal insert.

❸ Lift and Rotate Handle
360° for ease of use in
any environment.

❹ Bushing and Stud are
made from zinc-plated
steel with black oxide
finish for durability.

❺ UnEcon — Another
UNITED economical
product!

Economical Adjustable Clamping Levers with Studs

UNITED UnEcon METRIC Adjustable Clamping Levers

Black Thermoplastic Handle with metal insert

Or

Zinc Die Cast Handle with black finish

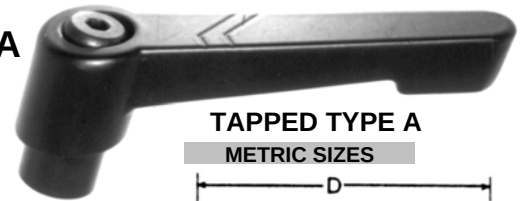
TYPE A – UnEcon Adjustable Clamping Levers Tapped — METRIC							
P – PLASTIC	S – DIE CAST	T THD	B	C	D	E	F
UDB-947201P	UDB-947201S	M4	14MM	24MM	42MM	33MM	10MM
UDB-947202P	UDB-947202S	M5	14MM	24MM	42MM	33MM	10MM
UDB-947203P	UDB-947203S	M6	14MM	24MM	42MM	33MM	10MM
UDB-947204P	UDB-947204S	M6	18MM	31MM	65MM	45MM	13.5MM
UDB-947205P	UDB-947205S	M8	18MM	31MM	65MM	45MM	13.5MM
UDB-947206P	UDB-947206S	M8	22MM	36MM	78MM	54MM	16MM
UDB-947207P	UDB-947207S	M10	22MM	36MM	78MM	54MM	16MM
UDB-947208P	UDB-947208S	M10	25MM	43MM	92MM	64MM	19MM
UDB-947209P	UDB-947209S	M12	25MM	43MM	92MM	64MM	19MM
—	UDB-947210S	M12	30MM	50MM	108MM	75MM	23MM
—	UDB-947211S	M16	30MM	50MM	108MM	75MM	23MM

METRIC SIZES

TYPE B – UnEcon Adjustable Clamping Levers with Stud — METRIC								
P – PLASTIC	S – DIE CAST	T THD	L	B	C	D	E	F
UDB-947401P	UDB-947401S	M5	12MM	14MM	24MM	42MM	33MM	10MM
UDB-947402P	UDB-947402S	M5	16MM	14MM	24MM	42MM	33MM	10MM
UDB-947403P	UDB-947403S	M5	20MM	14MM	24MM	42MM	33MM	10MM
UDB-947404P	UDB-947404S	M6	16MM	14MM	24MM	42MM	33MM	10MM
UDB-947405P	UDB-947405S	M6	20MM	14MM	24MM	42MM	33MM	10MM
UDB-947406P	UDB-947406S	M6	25MM	14MM	24MM	42MM	33MM	10MM
UDB-947407P	UDB-947407S	M6	32MM	14MM	24MM	42MM	33MM	10MM
UDB-947408P	UDB-947408S	M6	40MM	14MM	24MM	42MM	33MM	10MM
UDB-947409P	UDB-947409S	M8	20MM	18MM	31MM	65MM	45MM	13.5M
UDB-947410P	UDB-947410S	M8	25MM	18MM	31MM	65MM	45MM	13.5M
UDB-947411P	UDB-947411S	M8	32MM	18MM	31MM	65MM	45MM	13.5M
UDB-947412P	UDB-947412S	M8	40MM	18MM	31MM	65MM	45MM	13.5M
UDB-947413P	UDB-947413S	M8	50MM	18MM	31MM	65MM	45MM	13.5M
UDB-947414P	UDB-947414S	M8	63MM	18MM	31MM	65MM	45MM	13.5M
UDB-947415P	UDB-947415S	M10	20MM	18MM	31MM	65MM	45MM	13.5M
UDB-947416P	UDB-947416S	M10	32MM	18MM	31MM	65MM	45MM	13.5M
UDB-947417P	UDB-947417S	M10	40MM	18MM	31MM	65MM	45MM	13.5M
UDB-947418P	UDB-947418S	M10	50MM	18MM	31MM	65MM	45MM	13.5M
UDB-947419P	UDB-947419S	M10	20MM	22MM	36MM	78MM	54MM	16MM
UDB-947420P	UDB-947420S	M10	32MM	22MM	36MM	78MM	54MM	16MM
UDB-947421P	UDB-947421S	M10	40MM	22MM	36MM	78MM	54MM	16MM
UDB-947422P	UDB-947422S	M10	50MM	22MM	36MM	78MM	54MM	16MM
UDB-947423P	UDB-947423S	M10	63MM	22MM	36MM	78MM	54MM	16MM
UDB-947424P	UDB-947424S	M12	32MM	25MM	43MM	92MM	64MM	19MM
UDB-947425P	UDB-947425S	M12	40MM	25MM	43MM	92MM	64MM	19MM
UDB-947426P	UDB-947426S	M12	50MM	25MM	43MM	92MM	64MM	19MM
UDB-947427P	UDB-947427S	M12	63MM	25MM	43MM	92MM	64MM	19MM
—	UDB-947428S	M12	40MM	30MM	50MM	108MM	75MM	23MM
—	UDB-947429S	M12	63MM	30MM	50MM	108MM	75MM	23MM

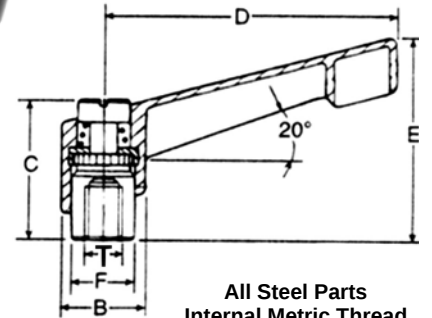
Adjustable Clamping Levers with Studs

A



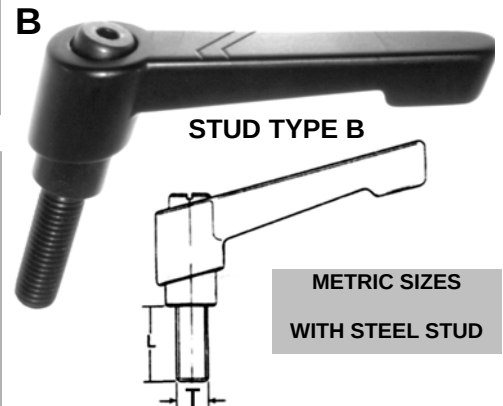
TAPPED TYPE A

METRIC SIZES



**All Steel Parts
Internal Metric Thread
with Black Oxide Finish**

B



STUD TYPE B

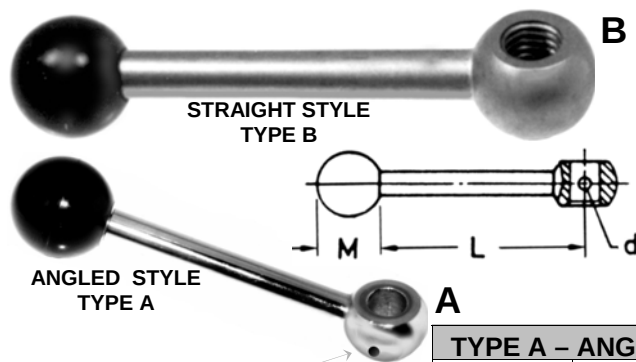
METRIC SIZES

WITH STEEL STUD

- Two Handle styles:** Long life die cast Zinc Handle: S=Steel, or
- Handle made from black **Thermoplastic** with metal insert: P=Plastic.
- Lift and Rotate Handle 360°** for ease of use in any environment.
- Bushing and Stud are made from zinc-plated steel with black oxide finish for durability.
- UnEcon — Another UNITED economical product!**

All-Purpose Steel Clamp Levers & Handles

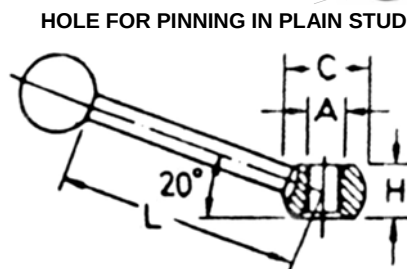
Steel Clamp Levers-Tapped, Reamed, Straight & Angled



UnEcon Versatile Steel Clamp Levers are available in 4 Styles:

- ① STRAIGHT and Reamed
- ② STRAIGHT and Tapped
- ③ ANGLED and Reamed
- ④ ANGLED and Tapped

Steel with plastic ball grip for easy handling



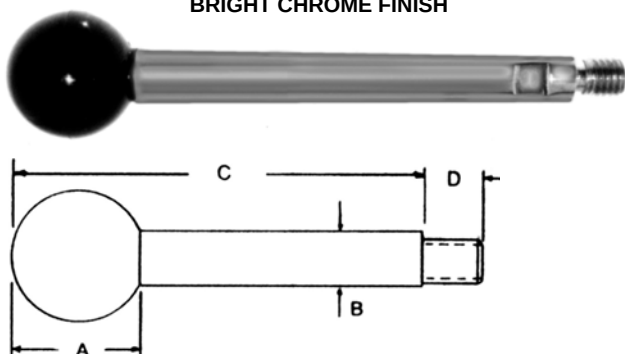
Hard Chrome Plated

TYPE A – ANGLED		TYPE B - STRAIGHT		Steel Clamp Levers-INCH SIZES						
REAMED	TAPPED	REAMED	TAPPED	A	I. D.	C	H	L	M	d
UDB-800060A		UDB-800070A		1/4	5/8	7/16	2	3/4	1/8	
	UDB-800060B		UDB-800070B	5/16 – 18	5/8	7/16	2	3/4	1/8	
UDB-800062A		UDB-800072A		5/16	25/32	9/16	2-1/2	13/16	1/8	
	UDB-800062B		UDB-800072B	3/8 – 16	25/32	9/16	2-1/2	13/16	1/8	
UDB-800064A		UDB-800074A		3/8	1"	3/4	3-1/4	15/16	5/32	
	UDB-800064B		UDB-800074B	1/2 – 13	1"	3/4	3-1/4	15/16	5/32	
UDB-800066A		UDB-800076A		1/2	1-1/4	7/8	4"	1-1/4	3/16	
	UDB-800066B		UDB-800076B	5/8 – 11	1-1/4	7/8	4"	1-1/4	3/16	
UDB-800068A		UDB-800078A		5/8	1-9/16	1-1/8	5"	1-1/2	1/4	
	UDB-800068B		UDB-800078B	3/4 – 10	1-9/16	1-1/8	5"	1-1/2	1/4	

LEVER HANDLES — All-Purpose

INCH and METRIC SIZES

BRIGHT CHROME FINISH



UnEcon All-Purpose Lever Handles

Available in Metric or Inch sizes

Plastic ball grip for easy handling

Steel shaft with
bright hard chrome finish

Additional sizes
available on request.

UnEcon All-Purpose Lever Handles — INCH SIZES

PLASTIC HANDLE	T THD	A	B	C	D
UDB-800080	#10 - 32	3/4	1/4	1-1/2	3/8
UDB-800081	#10 - 32	3/4	1/4	3"	3/8
UDB-800082	1/4 - 20	3/4	1/4	2-1/2	3/8
UDB-800083	1/4 - 20	3/4	1/4	3-1/2	3/8
UDB-800084	1/4 - 20	1"	3/8	6"	1/2
UDB-800085	5/16 - 18	1"	3/8	2-1/2	1/2
UDB-800086	5/16 - 18	1"	3/8	4"	1/2
UDB-800087	5/16 - 18	1"	3/8	6"	1/2
UDB-800088	3/8 - 16	1-3/8	1/2	2-1/2	1/2
UDB-800089	3/8 - 16	1-3/8	1/2	4"	1/2
UDB-800090	3/8 - 16	1-3/8	1/2	8"	1/2
UDB-800091	1/2 - 13	1-7/8	5/8	6"	5/8
UDB-800092	1/2 - 13	1-7/8	5/8	8"	5/8
UDB-800093	1/2 - 13	1-7/8	5/8	10"	5/8

UnEcon All-Purpose Lever Handles — METRIC SIZES

Metric PART NO.	T THD	A	B	C	D
UDB-800094	M6	18MM	8MM	80MM	9MM
UDB-800095	M6	18MM	8MM	100MM	9MM
UDB-800096	M8	22.5MM	10MM	80MM	11MM
UDB-800097	M8	22.5MM	10MM	125MM	11MM
UDB-800098	M10	29MM	12MM	125MM	14MM
UDB-800099	M10	29MM	12MM	160MM	14MM
UDB-800100	M12	32.5MM	14MM	160MM	16MM
UDB-800101	M14	37MM	16MM	160MM	18MM

Steel Levers with Phenolic Ball Knobs

Levers with Ball Knobs

LEVERS ONLY

ROUND BALL KNOB LEVERS

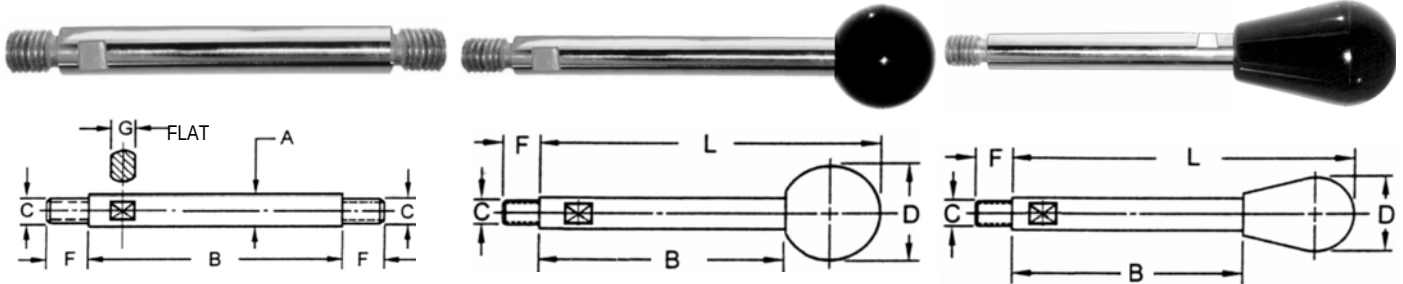
OVAL KNOB LEVERS

STEEL SHAFTS HEAT TREATED, POLISHED SMOOTH WITH BRIGHT CHROME

PRACTICAL

ATTRACTIVE

EFFICIENT



For dimensions not listed (same), refer to 'Lever Only' Chart below.

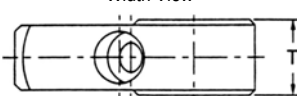
HEAT TREATED BLACK OXIDE FINISH AVAILABLE

LEVER ONLY						ROUND BALL KNOB				OVAL BALL KNOB			
PART NO.	A	B	C	F	G	PART NO.	KNOB	L	D	PART NO.	KNOB	L	D
UCC-952060	0.31	1.6	1/4-20	3/8	1/4	UCC-952096	1/4-20	2.3	3/4	UCC-952132	1/4-20	3.2	1"
UCC-952061		1.8				UCC-952097		2.4		UCC-952133		3.4	
UCC-952062		2.4				UCC-952098		3.1		UCC-952134		4.0	
UCC-952063		3.3				UCC-952099		4.0		UCC-952135		4.9	
UCC-952064		4.5				UCC-952100		5.2		UCC-952136		6.1	
UCC-952068	0.39	1.5	5/16-18	7/16	5/16	UCC-952103	5/16-18	2.4	1"	UCC-952139	5/16-18	3.1	1"
UCC-952069		2.2				UCC-952104		3.1		UCC-952140		3.8	
UCC-952070		3.0				UCC-952105		3.9		UCC-952141		4.6	
UCC-952071		4.0				UCC-952106		4.9		UCC-952142		5.6	
UCC-952072		5.5				UCC-952107		6.4		UCC-952143		7.1	
UCC-952076	0.47	2.0	3/8-16	1/2	3/8	UCC-952110	3/8-16	3.1	1-3/8	UCC-952146	3/8-16	4.5	1-5/8
UCC-952077		2.7				UCC-952111		3.8		UCC-952147		5.2	
UCC-952078		3.2				UCC-952112		4.3		UCC-952148		5.7	
UCC-952079		3.7				UCC-952113		4.8		UCC-952149		6.2	
UCC-952080		4.7				UCC-952114		5.8		UCC-952150		7.2	
UCC-952081		6.0				UCC-952115		7.1		UCC-952151		8.5	
UCC-952085	0.55	3.7	1/2-13	5/8	7/16	UCC-952118	1/2-13	5.0	1-3/8	UCC-952153	1/2-13	6.2	1-5/8
UCC-952086		4.7				UCC-952119		6.0		UCC-952154		7.2	
UCC-952087		5.7				UCC-952120		7.0		UCC-952155		8.2	
UCC-952088		6.7				UCC-952121		8.0		UCC-952156		9.2	
UCC-952089	0.62	3.7	1/2-13	5/8	1/2	UCC-952124	1/2-13	5.2	1-1/2	UCC-952157	1/2-13	6.2	1-5/8
UCC-952090		4.4				UCC-952125		5.9		UCC-952158		6.9	
UCC-952091		6.4				UCC-952126		7.9		UCC-952159		8.9	
UCC-952092		8.4				UCC-952127		9.9		UCC-952160		10.9	
UCC-952093		11.0				UCC-952128		12.9		UCC-952161		13.9	

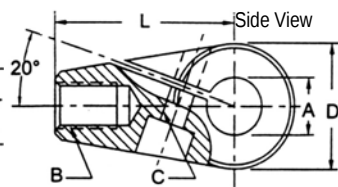
HEAT TREATED BLACK OXIDE

FINISH — LONG LIFE

Width View



PRECISION BURRED HOLES FOR PRECISE FIT



SELECT 3/8-16 OR 1/2-13 LEVER FROM CHART ABOVE.



LEVER LOCK HANDLE

PART NO.	A	B	C	D	L	T
UCC-952164	1/2	3/8-16	1/4-20	1.10	1.61	0.69
UCC-952166	5/8	1/2-13	1/4-20	1.26	1.77	0.77

LEVER WITH HANDLE PROVIDES GREATER FLEXIBILITY FOR ALL LEVER APPLICATIONS. SCREW LEVER BAR (SEE ABOVE) INTO LOCK HANDLE AND ORIENT TO ANY POSITION.

12200 WOODRUFF AVE. • DOWNEY, CA 90241-5608 • TELEPHONE (562) 803-1521 / (800) 421-3466 IN CA / (800) 486-3466 • FAX (562) 803-6898 / (800) 486-3465

4-30-00

EMAIL united@ucc-udb.com WEBSITE www.ucc-udb.com

J27

Levers Heavy and Medium Duty

Heavy Duty and Medium Duty Levers

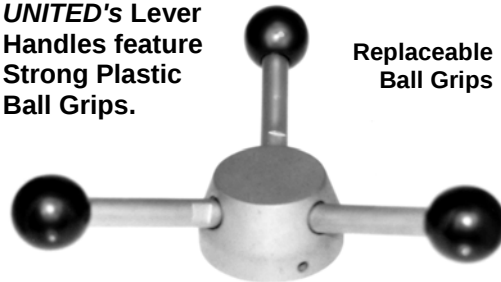
HEAVY DUTY LEVERS



SINGLE HANDLE

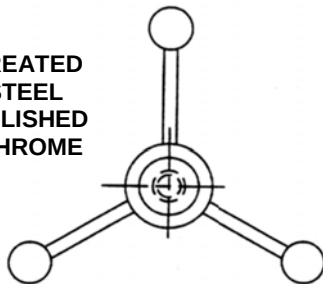
UNITED's Lever Handles feature Strong Plastic Ball Grips.

Replaceable Ball Grips



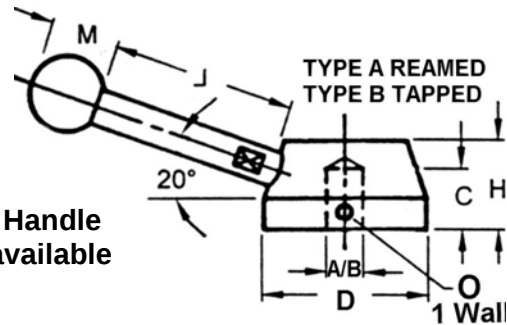
TRIPLE HANDLE

HEAT TREATED ALLOY STEEL WITH POLISHED SATIN CHROME FINISH



Fast — Efficient — Great Clamping Force!

Custom Handle lengths available



ALLOY STEEL WITH POLISHED SATIN CHROME FINISH

UNITED SINGLE HANDLE	UNITED TRIPLE HANDLE	TYPE A REAMED	TYPE B TAPPED	C DEPTH of TAP/REAM	D BASE DIA	H HT.	L LEN HANDLE	M DIA BALL	O HOLE 1 WALL
UCC-942011	UCC-942012	5/16	5/16-18	5/8	1-9/16	7/8	1.8	15/16	1/8
UCC-942013	UCC-942014						1.8		
UCC-942015	UCC-942016						3.0		
UCC-942017	UCC-942018						3.0		
UCC-942019	UCC-942020						4.0		
UCC-942021	UCC-942022	3/8	3/8 - 16	3/4	2"	1"	4.0	1"	3/16
UCC-942027	UCC-942028						2.0		
UCC-942029	UCC-942030						2.0		
UCC-942031	UCC-942032						3.2		
UCC-942033	UCC-942034						3.2		
UCC-942035	UCC-942036	1/2	1/2 - 13	7/8	2-3/8	1-3/16	4.7	19/32	3/16
UCC-942037	UCC-942038						4.7		
UCC-942043	UCC-942044						3.7		
UCC-942045	UCC-942046						3.7		
UCC-942047	UCC-942048						4.7		
UCC-942049	UCC-942050	1"	1" DEEP	7/8 DEEP	1-9/16	2-3/8	4.7	1-1/2	3/16
UCC-942051	UCC-942052						5.7		
UCC-942053	UCC-942054						5.7		

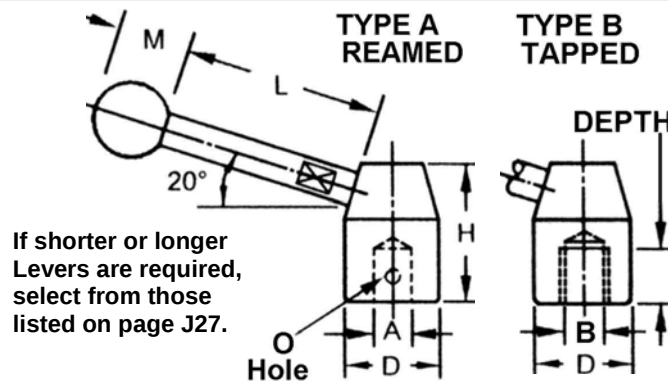
MEDIUM DUTY LEVER



Replaceable Ball Grips

REAMED or TAPPED SIZES

All-Use Medium Clamping Force Lever has Sturdy Plastic Ball Grip on the Handle for fast, efficient applications with Reamed or Tapped sizes.



If shorter or longer Levers are required, select from those listed on page J27.

ALLOY STEEL

POLISHED CHROME PLATED

AVAILABLE WITH BLACK OXIDE

Add 'B' to Part No. for Black Oxide

UNITED SINGLE HANDLE	UNITED TRIPLE HANDLE	TYPE A REAMED x DEPTH	TYPE B TAPPED x DEPTH	D	H	L LEN HANDLE	M DIA BALL	O HOLE 1 WALL
UCC-942061	UCC-942062	3/8 x	1/2-13 x	1"	1-1/2	1.5	15/16	1/8
UCC-942063	UCC-942064	5/8 DEEP	9/16 DEEP			2.2		
UCC-942065	UCC-942066					3.0		
UCC-942071	UCC-942072	1/2 x	5/8-11 x	1-1/4	1-7/8	3.2	1-1/8	5/32
UCC-942073	UCC-942074	3/4 DEEP	11/16 DEEP			3.7		
UCC-942075	UCC-942076					4.7		
UCC-942081	UCC-942082	5/8 x	3/4-10 x	1-9/16	2-3/8	3.7	1-1/2	3/16
UCC-942083	UCC-942084	1" DEEP	7/8 DEEP			4.4		
UCC-942085	UCC-942086					6.4		

Heavy Duty Adjustable Tension Levers

**Heavy Duty
Tension Levers**

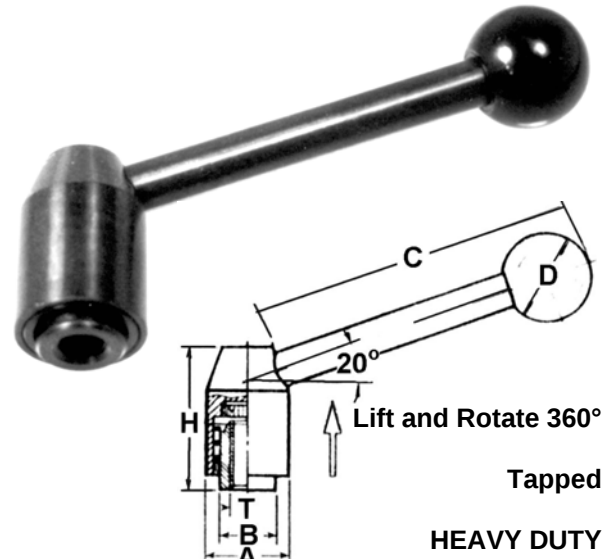
HEAVY DUTY QUALITY ADJUSTABLE TENSION LEVERS

**Lift and Rotate 360°
Heavy Duty Clamping Levers.**

TAPPED
BLACK PHENOLIC PLASTIC BALL GRIP
STEEL — HEAT TREATED — BLACK OXIDE FINISH
STAINLESS AVAILABLE ON REQUEST.

USA INCH UNITED PART NO.	T THD SIZE	A HUB O.D.	B RATCHET O.D.	C HANDLE LEN	D BALL DIA	H HUB LEN
UCC-942100	1/4-20	.83	.53	2.76	.79	1.32
UCC-942102	5/16-18	.83	.53	2.76	.79	1.32
UCC-942104	3/8-16	.94	.63	3.78	.98	1.57
UCC-942106	1/2-13	1.30	.91	4.88	1.26	2.17
UCC-942108	5/8-11	1.57	1.18	5.43	1.38	2.68
UCC-942110	3/4-10	1.57	1.10	5.43	1.38	2.68

METRIC UNITED PART NO.	T THD SIZE	A HUB O.D.	B RATCHET O.D.	C HANDLE LEN	D BALL DIA	H HUB LEN
UCC-942114	M6 x 1.0	21	13.5	70	20	33.5
UCC-942116	M8 x 1.25	21	13.5	70	20	33.5
UCC-942118	M10 x 1.50	24	16	96	25	40
UCC-942120	M12 x 1.75	28	19	110	30	48.5
UCC-942122	M16 x 2.0	33	23	124	32	55
UCC-942124	M20 x 2.50	40	28	138	35	68



UNITED QUALITY TENSION LEVERS allow for increased torque requirements.

Ideal when parts are clamped in confined spaces.

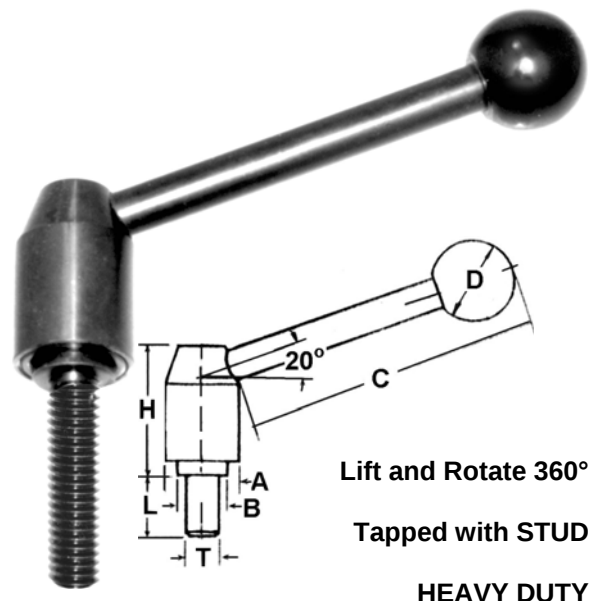
Lift and Rotate same as Clamping Levers.

HEAVY DUTY QUALITY ADJUSTABLE TENSION LEVERS WITH STUDS

STUD
BLACK PHENOLIC PLASTIC BALL GRIP
STEEL — HEAT TREATED — BLACK OXIDE FINISH
STAINLESS AVAILABLE ON REQUEST.

USA INCH UNITED PART NO.	T THD SIZE	L STUD LENGTH	A HUB O.D.	B RATCHET O.D.	C HANDLE LEN	D BALL DIA	H HUB LEN
UCC-942128	1/4-20	.99	.83	.53	2.76	.79	1.32
UCC-942130	5/16-18	1.26	.83	.53	2.76	.79	1.32
UCC-942132	3/8-16	1.26	.83	.53	2.76	.79	1.32
UCC-942134	1/2-13	1.26	1.10	.75	3.78	1.18	1.90
UCC-942136	1/2-13	1.97	1.10	.75	3.78	1.18	1.90
UCC-942138	5/8-11	1.26	1.30	.91	4.88	1.26	2.17
UCC-942140	5/8-11	2.48	1.30	.91	4.88	1.26	2.17
UCC-942142	3/4-10	2.48	1.30	.91	4.88	1.26	2.17

METRIC UNITED PART NO.	T THD SIZE	L STUD LENG	A HUB O.D.	B RATCHET O.D.	C HANDLE LEN	D BALL DIA	H HUB LEN
UCC-942146	M6 x 1.0	40	21	13.5	70	20	33.5
UCC-942148	M8 x 1.25	40	21	13.5	70	20	33.5
UCC-942150	M10 x 1.50	40	24	16	96	25	40
UCC-942152	M12 x 1.75	50	28	19	110	30	48.5
UCC-942154	M16 x 2.0	50	33	23	124	32	55
UCC-942156	M20 x 2.50	50	40	28	138	35	68

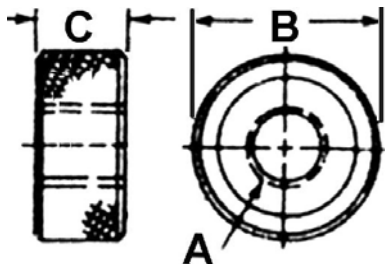


UNITED QUALITY TENSION LEVERS are **HEAVY DUTY** allowing for increased torque requirements.

Steel Knobs

Knurled 12L14 Steel & Stainless Adjusting, Lock & Check Knobs

KNURLED STEEL ADJUSTING KNOBS



KNURLED
ADJUSTING
KNOBS fit most
popular threads
and all **UNITED**
Knurled Knob
Spindles.

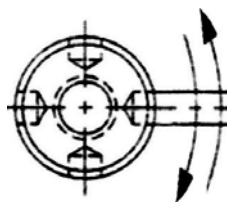
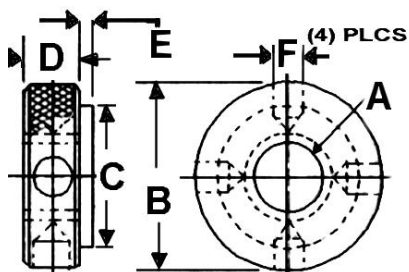
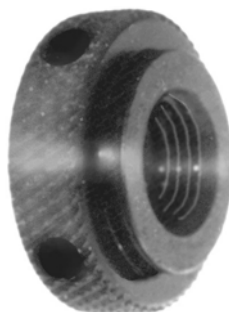
SOLDER, WELD or
BOND LOCTITE®
to your SCREWS.

12L14 STEEL — BLACK OXIDE

STEEL PART NO.	A THD	B	C
UCC-955200	10-24	3/4	1/4
UCC-955202	1/4-20	7/8	5/16
UCC-955204	1/4-20	1"	5/16
UCC-955206	1/4-20	1"	3/8
UCC-955208	5/16-18	7/8	5/16
UCC-955210	5/16-18	1-1/8	3/8
UCC-955212	5/16-18	1-1/8	7/16
UCC-955214	3/8 – 16	1"	3/8
UCC-955216	3/8 – 16	1-1/4	3/8
UCC-955218	3/8 – 16	1-1/4	7/16
UCC-955220	3/8 – 16	1-1/4	1/2
UCC-955222	1/2-13	1"	3/8
UCC-955224	1/2-13	1-1/4	1/2
UCC-955226	1/2-13	1-1/4	9/16
UCC-955228	5/8-11	1-1/4	1/2

STEEL and STAINLESS KNURLED LOCK KNOBS

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



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

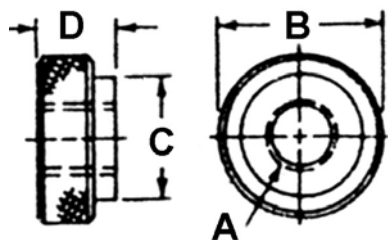
300 SERIES
STAINLESS
WITH PASSIVATED FINISH

12L14 STEEL

12L14 STEEL PART NO.	STAINLESS PART NO. 300 SS	A THD I. D. SIZE	B O. D. DIA	C STEP DIA	D WIDTH	E LIP	F DIA +.005 -.000
UDB-925110	UDB-925110S	1/4-20	1-1/8	1"	7/16	1/16	.250
UDB-925115	UDB-925115S	3/8 – 16	1-1/8	1"	7/16	1/16	.250
UDB-925120	UDB-925120S	1/2-13	1-1/8	1"	7/16	1/16	.250
UDB-925125	UDB-925125S	5/8-11	1-3/8	1"	7/16	1/16	.250

KNURLED 12L14 STEEL and STAINLESS SCREW KNOBS

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



300 SERIES STAINLESS HAVE PASSIVATED FINISH.

12L14 STEEL WITH BLACK OXIDE FINISH.

12L14 STEEL PART NO.	STAINLESS PART NO. 300 SS	A THD SIZE	B DIA	C DIA	D
UDB-955100	UDB-955100S	#10-32	3/4	7/16	3/16
UDB-955103	UDB-955103S	#10-24	3/4	7/16	3/16
UDB-955105	UDB-955105S	1/4-20	3/4	1/2	7/32
UDB-955110	UDB-955110S	5/16-18	3/4	1/2	1/4
UDB-955115	UDB-955115S	3/8 – 16	1"	3/4	7/16
UDB-955120	UDB-955120S	1/2-13	1"	3/4	7/16
UDB-955125	UDB-955125S	5/8-11	1-1/16	13/16	1/2

4-Prong Hand Knobs

Aluminum

Aluminum light weight long lasting fine finish
tumbled clear anodized

Special Colors Available on request:

Blue Clear
Gold Black

UNITED PART NO.	A HANDLE DIA	B HD OAL LENGTH	C HUB DIA	D HUB LEN	E HOLE CONDITION
UCC-921000	1	7/8	1/2	1/2	SOLID BLANK
UCC-921001	1	7/8	1/2	1/2	1/4-20 TAP
UCC-921002	1	7/8	1/2	1/2	1/4-20 THRU HOLE
UCC-921003	1	7/8	1/2	1/2	1/4 REAM
UCC-921004	1-1/2	7/8	5/8	3/8	SOLID BLANK
UCC-921005	1-1/2	7/8	5/8	3/8	5/16-18 TAP
UCC-921006	1-1/2	7/8	5/8	3/8	5/16-18 THRU HOLE
UCC-921007	1-1/2	7/8	5/8	3/8	5/16 REAM
UCC-921008	2"	1"	13/16	1/2	SOLID BLANK
UCC-921009	2"	1"	13/16	1/2	3/8 - 16 TAP
UCC-921010	2"	1"	13/16	1/2	3/8 - 16 THRU HOLE
UCC-921011	2"	1"	13/16	1/2	3/8 REAM
UCC-921012	2-1/2	1-1/8	1"	9/16	SOLID BLANK
UCC-921013	2-1/2	1-1/8	1"	9/16	1/2-13 TAP
UCC-921014	2-1/2	1-1/8	1"	9/16	1/2-13 THRU HOLE
UCC-921015	2-1/2	1-1/8	1"	9/16	1/2 REAM
UCC-921016	3"	1-1/4	1-1/4	5/8	SOLID BLANK
UCC-921017	3"	1-1/4	1-1/4	5/8	5/8-11 TAP
UCC-921018	3"	1-1/4	1-1/4	5/8	5/8-11 THRU HOLE
UCC-921019	3"	1-1/4	1-1/4	5/8	5/8 REAM

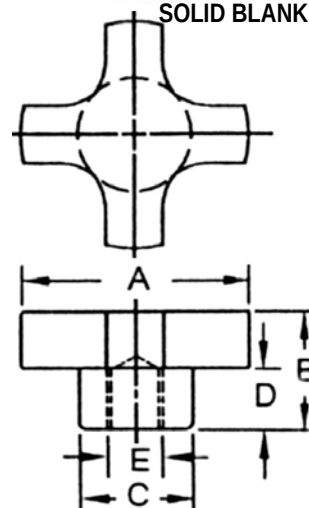
Aluminum
4-Prong Knobs

ALUMINUM 4-PRONG HAND KNOBS



**LIGHT WEIGHT
YET STRONG
EASY-TURNING
UNITED 4-PRONG
HAND KNOBS**

SOLID BLANK STYLE



Quick Action

Tighten
professionally.

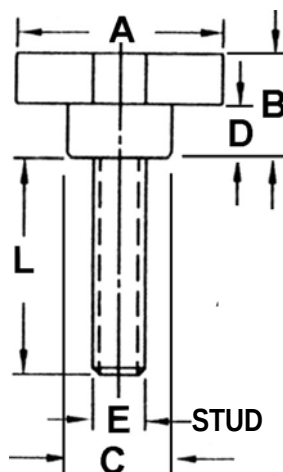
Aluminum Tumbled
Clear Anodized

ALUMINUM 4-PRONG STUD HAND KNOBS

Aluminum light weight long lasting fine finish
tumbled clear anodized

UNITED PART NO. WITH STUD	A HANDLE DIA	B HD OAL LENGTH	C HUB DIA	D HUB LEN	E STUD THREAD	L STUD LEN
UCC-921024	1"	7/8	1/2	1/2	1/4-20	1-3/4
UCC-921026	1"	7/8	1/2	1/2	1/4-20	2-1/2
UCC-921028	1"	7/8	1/2	1/2	1/4-20	3"
UCC-921030	1-1/2	7/8	5/8	3/8	5/16-18	1-3/4
UCC-921032	1-1/2	7/8	5/8	3/8	5/16-18	2-1/2
UCC-921034	1-1/2	7/8	5/8	3/8	5/16-18	3"
UCC-921036	2"	1"	13/16	1/2	3/8 - 16	1-3/4
UCC-921038	2"	1"	13/16	1/2	3/8 - 16	2-1/2
UCC-921040	2"	1"	13/16	1/2	3/8 - 16	3"
UCC-921044	2-1/2	1-1/8	1"	9/16	1/2-13	1-3/4
UCC-921046	2-1/2	1-1/8	1"	9/16	1/2-13	2-1/2
UCC-921048	2-1/2	1-1/8	1"	9/16	1/2-13	3"
UCC-921054	3"	1-1/4	1-1/4	5/8	5/8-11	1-3/4
UCC-921056	3"	1-1/4	1-1/4	5/8	5/8-11	2-1/2
UCC-921058	3"	1-1/4	1-1/4	5/8	5/8-11	3"

**STRONG and
DURABLE
LONG LASTING
HAND KNOBS**

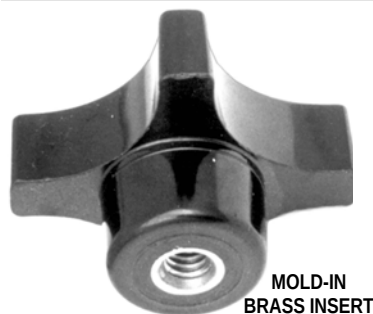


**STRONG STUD
THRU HOLE STYLE
LIGHT WEIGHT YET HEAVY DUTY**

Phenolic Plastic 4-Prong Knobs

4-Prong Hand Knobs Phenolic Plastic

PHENOLIC PLASTIC 4-PRONG HAND KNOBS



MOLD-IN
BRASS INSERT

Light weight — Long lasting — Fine finish

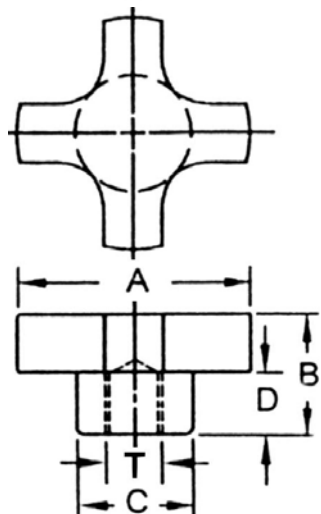


TAPPED THRU



TAP DEPTHS .500 / .625

**UNITED's
LIGHT WEIGHT YET STRONG
EASY-TURNING
4-PRONG HAND KNOBS
MOLD-IN BRASS INSERTS**



**The BEST and MOST
WIDELY USED on
Instrument and
Machine Tool
Adjusting Devices.**

**Quick Action
and Tightening.**

**BLACK PHENOLIC PLASTIC KNOBS with BRASS
INSERTS PROVIDE HIGH TORQUE TIGHTENING.**

UNITED PART NO.	A HANDLE DIA	B HD OAL LEN	C HUB DIA	D HUB LEN	T THREAD	TAP DEPTH
UCC-945410	1-1/4	7/8	5/8	3/8	10-32	TAP THRU
UCC-945412	1-1/4	7/8	5/8	3/8	10-32	.500 DEEP
UCC-945414	1-1/4	7/8	5/8	3/8	10-24	TAP THRU
UCC-945416	1-1/4	7/8	5/8	3/8	10-24	.500 DEEP
UCC-945418	1-3/4	1"	13/16	1/2	1/4-20	TAP THRU
UCC-945420	1-3/4	1"	13/16	1/2	1/4-20	.500 DEEP
UCC-945422	1-3/4	1"	13/16	1/2	5/16-18	TAP THRU
UCC-945424	1-3/4	1"	13/16	1/2	5/16-18	.500 DEEP
UCC-945426	2-1/4	1-1/8	1"	9/16	3/8 - 16	TAP THRU
UCC-945428	2-1/4	1-1/8	1"	9/16	3/8 - 16	.625 DEEP
UCC-945430	2-1/4	1-1/8	1"	9/16	1/2-13	TAP THRU
UCC-945432	2-1/4	1-1/8	1"	9/16	1/2-13	.625 DEEP

PHENOLIC PLASTIC 4-PRONG HAND KNOBS with STUDS

MOLD-IN BRASS INSERTS

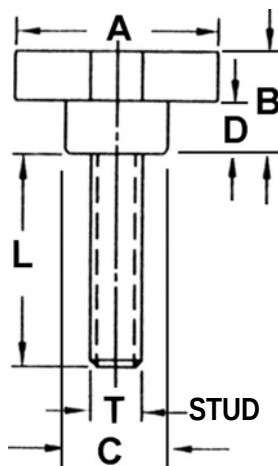
Light weight — Long lasting — Fine finish



WITH STUD

**LIGHT WEIGHT YET
GREAT STRENGTH**

**STRONG and
DURABLE
LONG LASTING
HAND KNOBS
and STUDS**



UNITED PART NO.	A HANDLE DIA	B HD OAL LEN	C HUB DIA	D HUB LEN	T STUD THREAD	L STUD LEN
UCC-945440	1-1/4	7/8	5/8	3/8	10-32	3/4
UCC-945442	1-1/4	7/8	5/8	3/8	10-24	3/4
UCC-945444	1-3/4	7/8	5/8	3/8	1/4-20	1"
UCC-945446	1-3/4	1"	13/16	1/2	5/16-18	1"
UCC-945448						1-1/2
UCC-945450						2"
UCC-945452	2-1/4	1-1/8	1"	9/16	3/8 - 16	1"
UCC-945454						1-1/2
UCC-945456						2"
UCC-945458						2-1/2
UCC-945460	2-1/4	1-1/8	1"	9/16	1/2-13	1-1/2
UCC-945462						2"
UCC-945464						2-1/2

Steel, Brass, Black Phenolic Plastic Knobs With Inserts

Knobs

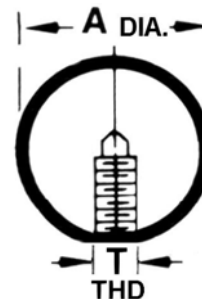
Steel and Brass Ball Knobs feature a smooth highly polished comfortable hand grip with added weight for more leverage.

STEEL and BRASS BALL KNOBS

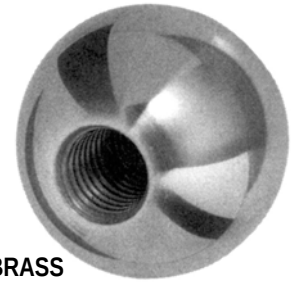
STEEL PART NO.	BRASS PART NO.	A	T THD
UCC-845131	UCC-845231	3/4	10-24
UCC-845132	UCC-845232		10-32
UCC-845133	UCC-845233		10-24
UCC-845134	UCC-845234		10-32
UCC-845135	UCC-845235	1"	1/4-20
UCC-845136	UCC-845236		1/4-28
UCC-845137	UCC-845237		5/16-18
UCC-845138	UCC-845238		5/16-24
UCC-845156	UCC-845256		3/8 - 16
UCC-845139	UCC-845239		1/4-20
UCC-845141	UCC-845241		1/4-28
UCC-845142	UCC-845242		5/16-18
UCC-845143	UCC-845243		5/16-24
UCC-845144	UCC-845244	1-3/8	3/8 - 16
UCC-845145	UCC-845245		3/8-24
UCC-845146	UCC-845246		7/16-20
UCC-845147	UCC-845247		1/2-13
UCC-845148	UCC-845248		1/2-20
UDB-945130		1-1/2	BLANK
UDB-945140			3/8-16
UCC-845150	UCC-845250		3/8 - 16
UCC-845152	UCC-845252	1-7/8	1/2-13
UCC-845154	UCC-845254		5/8-11
UDB-945150		2"	BLANK
UDB-945160			5/8-18

Steel Ball Knobs are also available with black oxide finish.

TO SPECIFY STEEL BALLS BLACK OXIDIZED, ADD 'B' AFTER PART NO.



STEEL



BRASS

Highly polished Steel or Brass Balls are machined from solid bar steel.

Brass Balls are corrosion resistant to water.

Use on fixtures, machines, tools, assemblies.

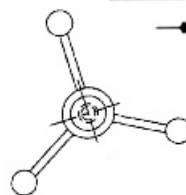
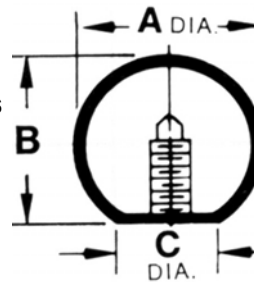
Broad range of uses includes valves, spigots, levers on tractors and in farm/industrial equipment and assemblies.

Plastic Ball Knobs feature a rust proof smooth comfortable hand grip for actuating levers.

BLACK PHENOLIC PLASTIC BALL KNOBS

NEW PART NO.	OLD PART NO.	A	B	C	T THD
UCC-845260	UDB-945050	11/16	19/32	3/8	10-32
UCC-845262		3/4	47/64	1/2	1/4-20
UCC-845264					10-32
UCC-845266	UDB-945060	1"	15/16	1/2	1/4-20
UCC-845268					1/4-28
UCC-845270	UDB-945070				5/16-18
UCC-845272					5/16-24
UCC-845274					3/8 - 16
UCC-845276		1-1/4	1-1/4	17/32	1/4-20
UCC-845278					5/16-18
UCC-845280					1/4-20
UCC-845282			1-1/8	5/8	5/16-18
UCC-845284	UDB-945080	1-3/8			3/8 - 16
UCC-845286					3/8-24
UCC-845288	UDB-945090		1-9/32	13/16	1/2-13
UCC-845290	UDB-945100				1/2-20
UCC-845292					5/16-18
UCC-845294		1-1/2	1-1/2	5/8	3/8 - 16
UCC-845296					1/2-13
UCC-845298					3/8 - 16
UCC-845300		1-15/16	1-27/32	13/16	1/2-13
UCC-845302	UDB-945110				5/8-18
UCC-845304		2"	1-13/16	1-3/32	1/2-13
UCC-845306					1/2-13

Broad range of applications for BALL KNOBS



MODELS WITHOUT MOLDED METAL INSERT THREADS ARE MOLDED.

UNITED provides five different attachment methods:

1. Tapped metal inserts or internal threaded bushings.
2. Tapped plastic threads, molded or tapped into the cored ball.
3. Core holes can be provided to any shape and size required.
4. Reamed metal bushings molded into plastic knobs as required.
5. Threaded metal studs to your specifications.

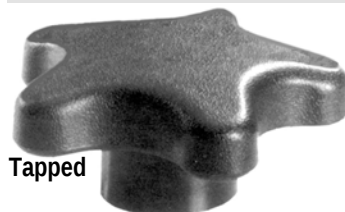
Send a sketch of your design and receive our low costs.

Star, T-Knobs & 3-Prong Knobs

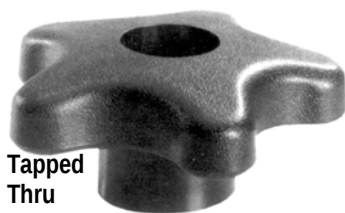
UNITED Thermo Plastic Knobs

Star – T-Knobs – 3-Prong Knobs

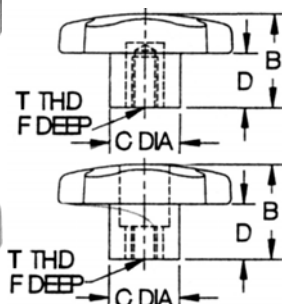
STAR KNOBS — THERMO PLASTIC



Tapped



Tapped Thru Hole



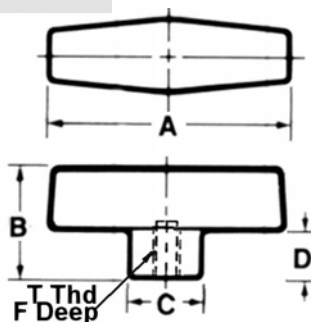
Used on fold-down handles in home, sports and industry:

In small vehicles — golf carts, mopeds, snowmobiles
Sports machines — motorcycles, tricycles, exercise bikes
Yard equipment — wagons, edgers, mowers, blowers
Mounts — camera tripods, light stands, projectors
Machine shops — small automatic tools, motors
Wherever you need a durable attractive knob, **UNITED** has it!

Texturized surface resists scratches, nicks and finger prints. Comfortable non-slip grip is ergonomically designed for durability and easy use. Resists oil and most chemicals.

TAPPED						
TAPPED PART NO.	A KNOB DIA	B OAL LEN	C HUB DIA	D HUB LEN	T THD	F DEPTH
UCC-845320	2-1/4	1"	7/8	1/2	1/4-20	1/2
UCC-845322					5/16-18	5/8
UCC-845324					3/8 – 16	1/2
TAPPED THRU HOLE						
TAPPED THRU HOLE	A KNOB DIA	B OAL LEN	C HUB DIA	D HUB LEN	T THD	F DEPTH
UCC-845326	2-1/4	1"	7/8	1/2	1/4-20	5/8
UCC-845328					5/16-18	
UCC-845330					3/8 – 16	

T- KNOBS – THERMO PLASTIC



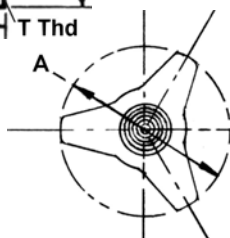
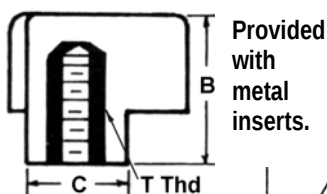
Excellent resistance to oil, grease, water and most chemicals. Resistance to scratches and marring.

Multiple applications. See list above. Long lasting service and comfortable grip will keep you using **UNITED** Knobs.

Comfortable grip. Moderate to heavy torque. Black satin polished finish. Furnished with metal inserts.

UNITED	A	B	C	D HUB	T	F
UCC-845334	1-5/8	3/4	1/2	1/2	1/4-20	7/16
UCC-845336	2"	1-1/8	3/4	1/2	1/4-20	1/2
UCC-845338					5/16-18	1/2
UCC-845340					3/8 – 16	1/2
UCC-845342	2-1/2	1-1/8	3/4	1/2	3/8 – 24	1/2

3-PRONG KNOBS — THERMO PLASTIC



UNITED 3-PRONG KNOBS have modern satin finishes and aerodynamic appearances with rounded edges for comfort. Extra sturdy hub. Durable construction.

Excellent resistance to oil, grease, water, most chemicals and scratches or mars. Multiple applications. See list above. Designed for durability.

UNITED PART NO.	A KNOB DIA.	B KNOB HT.	C HUB DIA	T THD
UCC-845348	1-1/2	1"	5/8	10-32
UCC-845350				10-24
UCC-845352				1/4-20
UCC-845354	2"	1-1/4	3/4	5/16-18
UCC-845356				1/4-20
UCC-845360				5/16-18
UCC-845362				3/8 – 16
UCC-845364				3/8 – 24
UCC-845366				1/4-20
UCC-845368	2-1/2	1-1/4	13/16	5/16-18
UCC-845370				3/8 – 16

UNITED Thermo Plastic Knobs

Tapered Thru Hole – Tapered – Oval

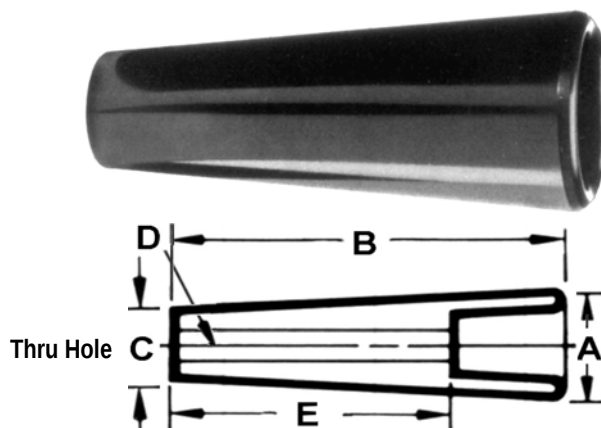
Tapered and Oval Phenolic Knobs

UNITED Heavy Duty Knobs are designed with ergonomic features for the best grasp on handles and machine levers.

Creative applications to meet your requirements work very well with these Knobs. Use Shoulder Screws and/or add Uniserts shown in Section F to create revolving handles. Match thread sizes of Shoulder Screws with Uniserts.

THRU HOLE WITHOUT INSERT	A MAJOR DIA.	B KNOB LEN	C MINOR DIA	D SHOULDER SCREW HOLE NOMINAL ACTUAL	E HOLE LENGTH
UDB-845380	1"	2-9/16	5/8	1/4 .251/.256	5/8
UDB-845383	1-1/8	3-11/16	3/4	3/8 .380/.385	2-5/8
UDB-845384	1-3/8	4-3/32	1"	3/8 .380/.390	2-5/8

TAPERED THRU HOLE KNOBS

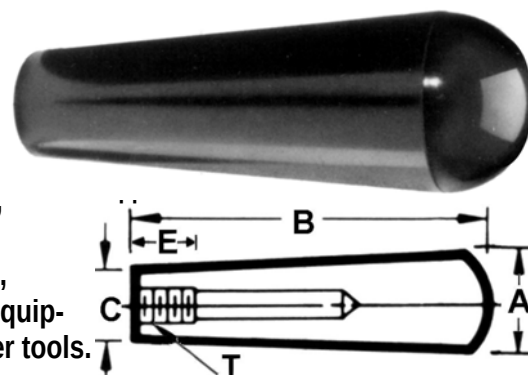


Comfortable grip. Moderate to heavy torque. Black satin polished finish with brass inserts. Modern distinctive UNITED Tapered Knobs and Handles are ideal for many

TAPERED MOLD-IN BRASS INSERT KNOBS

WITH MOLD-IN BRASS INSERT	A MAJOR DIA.	B KNOB LEN	C MINOR DIA	T THD	E TAP DEPTH
UDB-845390	1"	1-1/4	1/2	1/4-20	7/16
UDB-845391	1"	2-5/8	5/8	1/4-20	7/16
UDB-845392				5/16-18	
UDB-845394				1/4-20	
UDB-845398				3/8-16	1/2
UDB-845400	1-1/8	3-7/8	3/4	3/8-16	5/8
UDB-845402	1-3/8	4-1/2	1"	1/2-13	2"

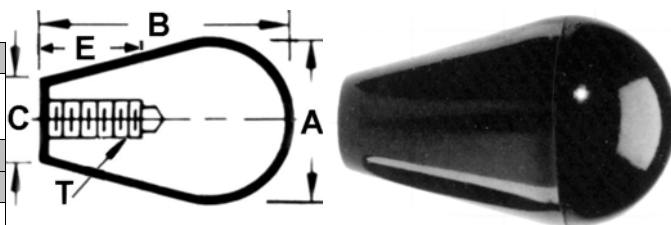
applications such as short levers, push-pull rods, control levers, handle fixtures, home/garden equipment and power tools.



Phenolic Plastic Knobs have excellent resistance to oil, grease, most chemicals and scratches or mars.

PHENOLIC PLASTIC TAPERED OVAL KNOBS

TAPPED					
TAPPED	A MAJOR DIA	B OAL LEN	C MINOR DIA	T THD	E TAP DEPTH
UDB-945490	3/4	1-1/4	3/8	10-32	5/16
UDB-945491				1/4-20	7/16
UDB-945492	1"	1-5/8	1/2	1/4-20	7/16
UDB-945493				5/16-18	7/16
UDB-945494				3/8-16	1/2
UDB-945495	1-3/16	1-7/8	9/16	1/4-20	7/16
UDB-945496	1-5/8	2-1/2	7/8	3/8-16	1/2
UDB-945497				1/2-13	5/8



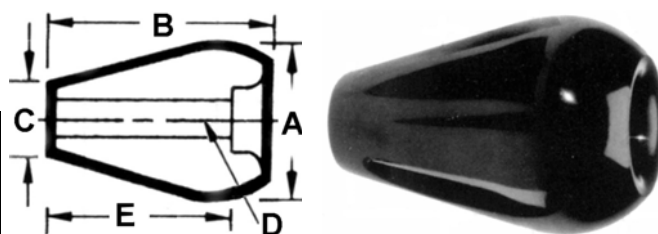
Strong Black Phenolic Plastic with Brass Inserts. Perfect for levers and push-pull handles.

Moderate to heavy torque. Comfortable grip. Satin finish.

PHENOLIC PLASTIC TAPERED TAPPED THRU OVAL KNOBS

Four Oval Knob sizes. Use with Shoulder Bolts in Section F for revolving bolt handles.

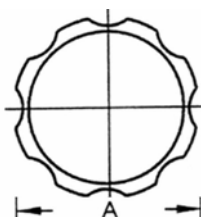
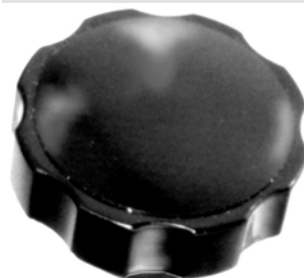
THRU HOLE — NO INSERT					
TAPPED THRU HOLE	A MAJOR DIA	B OAL LEN	C MINOR	D I.D. THRU	E HOLE DEPTH
UCC-945500	1-3/16	1-3/4	9/16	.375	1-7/16



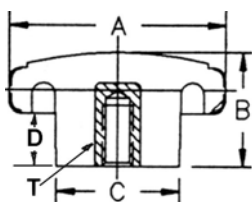
Fluted & Knurled Torque Knobs

UNITED Thermo Plastic Knobs Fluted and Knurled Torque Knobs

FLUTED KNOBS — THERMO PLASTIC



Brass Inserts



Molded-in Brass Insert creates greater thread strength. High torque with finer adjustments. These larger grip knobs provide an easy grasp for fine tuning your adjustments.

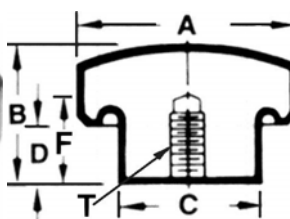
Material is durable thermo-plastic construction. **UNITED** Fluted Knobs have edges rounded for a comfortable grip. Attractive modern fluted design.

Perfect for a wide variety of applications!

FLUTED INSERTS PART NO.	A KNOB DIA	B OAL LEN	C HUB DIA	D HUB LEN	T THD
UDB-945470	1-3/8	27/32	27/32	25/64	10-32
UDB-945472					1/4-20
UDB-945474					5/16-18
UDB-945476	1-3/4	1-1/16	1-1/16	1/2	1/4-20
UDB-945478					5/16-18
UDB-945480					3/8 - 16
UDB-945482	2-3/8	1-5/16	1-1/4	5/8	3/8 - 16
UDB-945484					1/2-13
UDB-945486	3-1/4	1-25/32	2"	7/8	1/2-13
UDB-945488					5/8-11

Finger fitting comfortable grip. Black phenolic plastic satin polished finish. Furnished with metal inserts.

KNURLED TORQUE KNOBS – THERMO PLASTIC



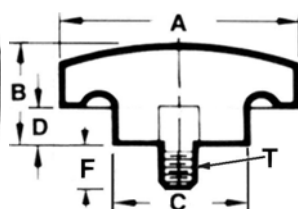
Brass Inserts
Provided

Excellent resistance to oil, grease, water, most chemicals and scratches or mars. Multiple applications. Designed for durability.

Low profile modern design Knurled Torque Knobs feature a comfortable grip. Moderate to heavy torque. Black satin polished finish. Furnished with metal inserts.

KNURLED / IN- SERTS	A KNOB DIA	B OAL	C HUB DIA	D HUB DEPTH	T THD	F TAP DEPTH
UCC-945660	5/8	9/16	1/2	—	10-32	5/16
UCC-945662	3/4	17/32	1/2	1/16	1/4-20	5/16
UCC-945664	1"	21/32	5/8	5/16	10-32	5/16
UCC-945666					1/4-20	3/8
UCC-945668	1-3/8	25/32	3/4	3/8	1/4-20	7/16
UCC-945670					5/16-18	
UCC-945672	1-7/8	1"	1"	1/2	5/16-18	7/16
UCC-945674					3/8-16	1/2

KNURLED TORQUE STUD KNOBS — THERMO PLASTIC



UNITED Knurled Torque Knobs come in five diameter groupings. All have tapped metal brass inserts and clamping studs.

Wherever clearance may be an issue, this is the moderate torque knob to use! Non-slip finger control is popular for a wide variety of applications.

KNURLED / STUD PART NO.	A KNOB DIA	B OAL	C HUB DIA	D HUB DEPTH	T THD	F THD LEN
UCC-945678	3/4	17/32	1/2	1/16	8-32	1/2
UCC-945680					10-32	1/2
UCC-945682					10-32	1"
UCC-945684					1/4-20	1/2
UCC-945686	1"	21/32	5/8	5/16	1/4-20	1"
UCC-945688	1-3/8	25/32	3/4	3/8	1/4-20	1/2
UCC-945690	1-7/8	1"	1"	1/2	3/8-16	1"