

Leveling Screws/Lock Nuts



Also commonly known as Jack-Screws, these Leveling Screws are ideal in semi-permanent level adjustments of fixture plates over large base plates. By turning the screws after installation, each screw can generate adjustment ranges within the limits of the screw threads, with the adjustment resolution of the screw pitch.

The products below will be discontinued after the current inventory is depleted. Please contact customer service to verify availability.

U-LVB (Leveling Screws)

U-LVN (Lock Nuts)

General Tolerance
Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	+0.01
5.001	16.000	+0.02
16.001	60.000	+0.05

Material 1045 Steel
Surface Treatment Black Oxide
Material Characteristics P.628
Surface Roughness: Unless otherwise specified 250

Leveling Screws

Type	Part No.				L Selection					d	A	B	Compatible Mounting Bolt Size	\$ Unit Price (Qty. 1~9)
	T (Thread)				3/4	1"	1-1/4	1-1/2	1-3/4					
	Callout	Size	Major Dia.	Pitch										
U-LVB	0.50	1/2-28	0.500	0.036	0.75	1.00	1.25			0.281	0.188	0.750	1/4	4.20
	0.63	5/8-24	0.625	0.042	0.75	1.00	1.25			0.344	0.250	0.875	5/16	5.40
	0.75	3/4-20	0.750	0.050	0.75	1.00	1.25	1.50		0.406	0.313	1.125	3/8	8.40
	1.00	1-20	1.000	0.050			1.25	1.50	1.75	0.531	0.313	1.500	1/2	9.80

Order Example The part number consists only of the fields with blue characters.

Part No. — L

Type T

U-LVB 0.50 — L 1.00

Lock Nuts

Type	Part No.				A	B	\$ Unit Price (Qty. 1~9)
	T (Thread)						
	Callout	Size	Major Dia.	Pitch			
U-LVN	0.50	1/2-28	0.500	0.036	0.188	0.750	1.90
	0.63	5/8-24	0.625	0.042	0.250	0.875	2.30
	0.75	3/4-20	0.750	0.050	0.313	1.125	2.90
	1.00	1-20	1.000	0.050	0.313	1.500	3.10

Days to Ship 1 Day

Price

Quantity	1-9	10-19	20-49	50~
Rate	—	2%	3%	5%

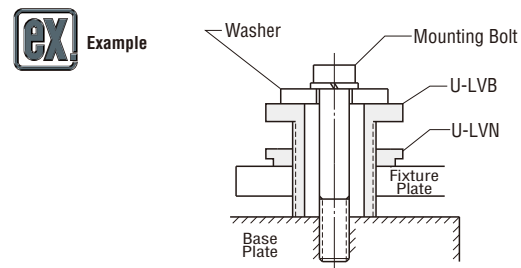
For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Order Example The part number consists only of the fields with blue characters.

Part No.

Type T

U-LVN 0.50



Usage

- Leveling Screws are used to adjust the parallelism of the fixture plate. (Tapping processing on the plate is necessary.)
- Leveling Screw (U-LVB) can be used by loosening the mounting bolt first, then turning the U-LVN with a hex wrench to adjust the fixture plate height. The Lock Nut can be used to prevent loosening.
- When the position of the fixture plate is decided, then tighten the mounting bolt again.

Guides —Straight Guides—



These Guides are generally used to secure parts for work station applications. Choose from 1045 steel, 304 stainless steel or polyacetal materials.

Material	Surface Treatment	Type
1045 Steel	Black Oxide	U-WGHB
	Electroless Nickel Plating	U-WGHM
304 Stainless Steel	-	U-WGHS
	-	U-WGHJ

Material Characteristics P.628, 629
*Color: White

General Tolerance
Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	+0.01
5.001	16.000	+0.02
16.001	60.000	+0.05

Thread or hole location tolerance: +0.005* non-cumulative.

Surface Roughness: Unless otherwise specified 250

Type	Part No.		A Selection					H Choose in 0.25" Increments	h	X	Y	d1	d2	l	Compatible Bolt	
	T		3/4	1"	1-1/4	1-1/2	2"									2-1/2
	Callout	Actual														
U-WGHB	0.50	0.500	0.75	1.00	1.25	1.50			0.50~1.25	H-0.25	0.188	0.188	0.281	0.154	0.154	#6
U-WGHM	0.75	0.750		1.00	1.25	1.50	2.00		0.50~1.25	H-0.25	0.250	0.250	0.313	0.180	0.180	#8
U-WGHS	1.00	1.000			1.25	1.50	2.00	2.50	0.75~1.25	H-0.25	0.313	0.375	0.375	0.206	0.206	#10
U-WGHJ	1.25	1.250				1.50	2.00	2.50	0.75~1.25	H-0.25	0.375	0.500	0.438	0.281	0.281	1/4

Order Example The part number consists only of the fields with blue characters.

Part No. — A — H

Type T

U-WGHB 0.50 — A 1.25 — H 1.00

Days to Ship Standard 6 Days Express 4 Days (Specify Express A) \$ 3.00/piece P.30

Non-Returnable P.30 A flat charge of \$8.10 for 3 or more identical pieces.

Price

Quantity	1-4	5-19	20-49	50~
Rate	—	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

T	\$ Unit Price (Qty. 1~4)			
	U-WGHB	U-WGHM	U-WGHS	U-WGHJ
0.50	14.00	16.70	21.00	10.90
0.75	16.50	20.00	24.90	12.90
1.00	17.00	20.50	25.70	13.40
1.25	18.20	21.80	27.40	14.30

