

# PRECISION GROUND TAPERLOCK THREAD GAGES



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### SUPERIOR METALLURGY

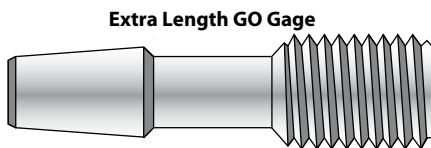
- Made from High Speed Tool Steel., the same material as used in tap manufacturing.
- Heat treated to 63-65 Rockwell C , the same hardness as used in tap manufacturing.

### SUPERIOR ACCURACY

- Thread ground on proprietary Balax Thread Grinders. This unique grinding process provides accurate thread profiles with less lead error than other gage grinding methods used today.

### EXTRA LENGTH FEATURE

Balax "Go" Gages in sizes 4-40 (M3 x .5) and larger are made with a relieved or undercut thread section. This longer-than-standard length feature allows gaging to thread depths achieved with standard tap thread lengths. Reversible gages are no longer required to check deep tapped holes.



### MINIATURE GAGES

Available in sizes ranging from 000-120 to 00-90 or .90 UNM to 1.40 UNM. The high quality materials and special grinding process used to manufacture Our Miniature Gages provide a consistency and accuracy never before available with miniature gages. They are held in special collect type holders.

## CERTIFICATE OF INSPECTION

All Balax Thread Gages are furnished with actual fifth place (.00000) measurements of pitch diameter and major diameter to guarantee the accuracy of your gage to "Class-X" tolerance levels.

BALAX Inc. - P.O. Box 96 - North Lake, WI 53064 - (262) 966-2355 - FAX: (262) 966-1028

THREAD PLUG	SIZE	CLASS	GAGE TOL.	FREQ. OF CALIBRATION	SER. No. TA No. CO. NAME
<input type="checkbox"/> GO <input type="checkbox"/> NO GO <input type="checkbox"/> SET PLUG					
SPECIFICATION		ACTUAL CERTIFIED CALIBRATION		REMARKS	
MAJOR DIAMETER	BASIC TOL.	MAJOR DIAMETER		CERTIFICATION OF MASTERS ARE TRACEABLE TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, NIST	
PITCH DIAMETER	BASIC TOL.	PITCH DIAMETER		<input type="checkbox"/> CERTIFIED OK	
MINOR DIAMETER	<input type="checkbox"/> MINOR DEPTH TO P / R <input type="checkbox"/> MINOR PDR and TDR to G of ANGLE FORM BY 2881-10M	MINOR DIAMETER	<input type="checkbox"/> WITHIN TOL.	<input type="checkbox"/> CERT. NEAR LOW LIMIT <input type="checkbox"/> RECONDITION BY LAPPING <input type="checkbox"/> RECONDITION BY CUT OFF <input type="checkbox"/> NEEDS RECONDITIONING <input type="checkbox"/> NEW REPLACEMENT	
LEAD	<input type="checkbox"/> 50 deg per Table 4 of ANSI FORM BY 2881-10M	LEAD	<input type="checkbox"/> WITHIN TOL.	NIST 970 - 4562A TEMP 68 deg HUMIDITY 50%	
ANGLE	<input type="checkbox"/> 50 deg per Table 4 of ANSI FORM BY 2881-10M	ANGLE	<input type="checkbox"/> WITHIN TOL.	<input type="checkbox"/> TEST #	
THREAD FORM	<input type="checkbox"/> 50 deg per Table 4 of ANSI FORM BY 2881-10M	THREAD FORM	<input type="checkbox"/> WITHIN TOL.		
HARDNESS		HARDNESS	<input type="checkbox"/> 59-63 RC		
INSPECTOR	DATE	NOTES			

Balax Manufacturer



### TITANIUM NITRIDE

Titanium Nitrided thread gages are available for all stock sizes.

### SPECIAL GAGES

Balax Manufacturer manufacture gages to your specifications.