

# SMT SMTD

New proposal for thread inspection tool

■ Simple measuring Tool ■

**SMT**  
(through/blind)

**SMTD**  
(Double measuring parts)





## A memo SMT/SMTD

Main specification of TID is same with that of thread gauge. But TID has partly Yamawa's own design in thread length and minor diameter relief. Due to these features, Yamawa has adopted the name "thread inspection tool ,TID" instead of using the name "thread gauge".

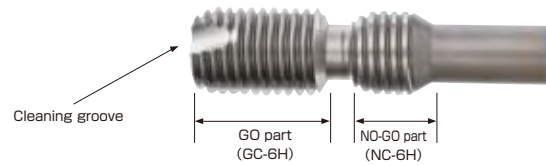


### ■ What is the [SMTD] ?

Both GO part and NOT-GO part are embedded in one tool.

### ■ Cleaning groove

Cleaning groove of the thread portion helps to remove the small dirt left inside the internal threads and hence allows for the proper inspection procedure.



## Accuracy of SMT/SMTD

In TID, important factors on measuring internal screw threads such as tolerance of simple pitch diameter, pitch tolerance and tolerance of thread half angle are with same accuracy factors as that of thread plug gauge.

### ■ Comparison between GC-6H/ TID GO part and GP-6H/thread plug gauge

unit: mm

Designation	OD				PD				Pitch tolerance	Tolerance to thread half angle
	Basic size	Max	Min	Tolerance	Basic size	Max	Min	Tolerance	(+/-)	(+/- minute)
GB-6H M6 × 1	6.000	6.023	6.001	0.022	5.350	5.3675	5.3565	0.011	0.005	15
GP-6H M6 × 1	6.000	6.023	6.001	0.022	5.350	5.3675	5.3565	0.011	0.005	15

The pitch diameter is simple pitch diameter. Pitch tolerance includes error of thread lead.

### ■ Comparison between NC-6H/ TID NOT-GO part and NP-6H/thread plug gauge

unit: mm

Designation	OD				PD					
	Theoretical size	Max	Min	Tolerance	D2max	Max	Min	Tolerance	(±)	(±分)
NB-6H M6 × 1	5.7055	5.7165	5.6945	0.022	5.500	5.511	5.500	0.011	0.005	16
NP-6H M6 × 1	5.7055	5.7165	5.6945	0.022	5.500	5.511	5.500	0.011	0.005	16

The pitch diameter is simple pitch diameter. Pitch tolerance includes error of thread lead.

### Instructions and directions for use

- ① Clean both before use.
- ② Apply clean oil to the gauge and avoid sticking.
- ③ While using, don't touch the gauge too long so as to avoid deformation due to the body temperature.
- ④ Don't put excessive force.
- ⑤ When a shock accidentally given, please check the gauge carefully.
- ⑥ After use, pay special care to the anti-rust treatment.

The specification might be changed to improve without notice.

# YAMAWA Mfg. CO., Ltd.

Head office

Nakajima Gold bldg.13-10 Kyobashi  
3chome, Chuo-ku, Tokyo 104-0031, JAPAN

Website: <http://www.yamawa.com>

YAMAWA group for Overseas

YAMAWA International Co., Ltd.

