YAMAWA U.S.A. TODAY

YAMAWA OFFERS A COMPLETE LINE UP OF FC @@: CFA H5 DG

NEWSLETTER FROM YAMAWA MFG. CO., LTD.

Edited by Glynn Simmons Vol. #10 MAY 2016

WHOLESALERS

DISTRIBUTOR;

TRY THE YAMAWA FC @@: CFA TAPS TODAY, YOU'LL BE AMAZED. YAMAWA'S OFFERS FC @@: CFA 'H5 DG TO WORK IN MATERIALS FROM SOFT ALUMINUM TO HARDENED STEEELS UP TO 36Rc.

Advantages of YAMAWA Roll Form Taps

Creating Threads With Roll Form Tap vs Creating Threads With a Cutting Tap

YAMAWA'S Roll Form Taps and cutting taps produce threads that gage identically and are fully interchangeable but the way each style of tap produces a thread is completely different. Roll form taps displace metal through plastic deformation— cutting taps remove it.

YAMAWA

1. THREAD WITHOUT PRODUCING CHIPS WITH YAMAWA

The YAMAWA Roll Form Taps produce a thread that is cold formed so there are no chips to interfere with the tapping process. Chip removal problems are eliminated in though and blind holes.

2. YAMAWA'S ROLL FORM TAPS PRODUCE STRONGER THREADS

The materials grain flow follows the contour of the formed threads which results in a stronger thread. This is especially true for materials that work-harden like steels and stainless steel.

3. BETTER THREAD GAGING WITH YAMAWA ROLL FORM TAPS Roll form taps displace the metal in the hole to create the thread. With no metal to cut away in roll forming a thread, the possibility of cutting an oversized thread is greatly reduced.

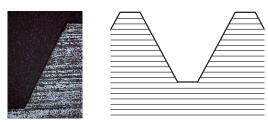
4. YAMAWA'S ROLL FORM TAPS ARE STRONGER THAN CUT TAPS YAMAWA Roll Form Taps do not produce chips, thus eliminating the need for flutes. This results in a solid stronger tap.

5. LONGER TAP LIFE WITH YAMAWA ROLL FORM TAPS YAMAWA Roll Form Taps last 2 to 20 times longer than cutting taps depending on the material being threaded because they have no cutting edge to chip or wear out.

6. HIGHER PRODUCTION, MORE EFFICIENT THREADING YAMAWA'S Roll Form Taps produce longer tap life, experience less tap breakage, and can be ran at a faster tapping speeds. All these combine to reduce cycle time and machine downtime.

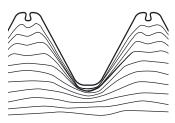
7. IDEAL FOR MODERN MACHINES WITH ENCODERS YAMAWA'S

Roll Form Taps are for CNC machines or other machines without lead screws.



The grain structure in a cut thread.





The grain structure in a YAMAWA Roll Form thread has a strengthened root area of the major diameter. This area is especially vulnerable to crack formation in cutting threads.



YMW TAPS U.S.A.

855-YMW-USA1 855-969-8721

www.ymwtapsusa.com

YAMAWA U.S.A. TODAY

Vol. #10 MAY 2016



YAMAWA

AMAWA

Roll Form Taps for Ferrous Materials

Custom Blended Vanadium High Speed Steel For Stainless Steels, Alloy Steels and Ferrous Materials. DIN tap lengths, ANSI shank dimensions **N-RZ** for Unified and Metric Threads

Plug Style (3 to 5 thread chamfer) Bottoming Style (2 to 2 1/2 thread chamfer)

Improved performance, new tap design Taps have an oxide coating for improved roll tapping in steels.



Roll Form Taps for Non Ferrous Materials Custom

Blended Vanadium High Speed Steel

For Aluminum, Brass and Copper Alloys

DIN tap lengths, ANSI shank dimension

N-RS for Unified and Metric Threads

Plug Style (3 to 5 thread chamfer) Bottoming Style (2 to 2 1/2 thread chamfer) Improved performance, new tap design. Taps have a nitride surface toughening treatment.



High Performance Roll Form Taps

PM High Speed Steel

HP-RZ Taps have a TiCN coating for tapping with coolant.

For Stainless Steels, Low, Medium, High Carbon Steels < 35 HRC the HP-RZ.

DIN tap lengths, ANSI shank dimensions

ZELX HP-RZ

for Unified and Metric Threads

Plug Style (3 to 5 thread chamfer) Bottoming Style (2 to 2 1/2 thread chamfer) The HP-RZ Roll taps can be run 2 times faster than the tapping speeds recommended for thread cutting taps.



YAMAWA

High Performance Roll Form Taps for Dry Tapping.

Cobalt, Vanadium Premium Steel with a TiCN coating for <u>COOLANT FREE</u> roll form tapping.

Taps can be run dry or with mist coolant.

Designed for Stainless Steels, Low Carbon Steels and Other Soft Materials.

DIN tap lengths, USCTI shank dimensions





ZELX OL-RZ

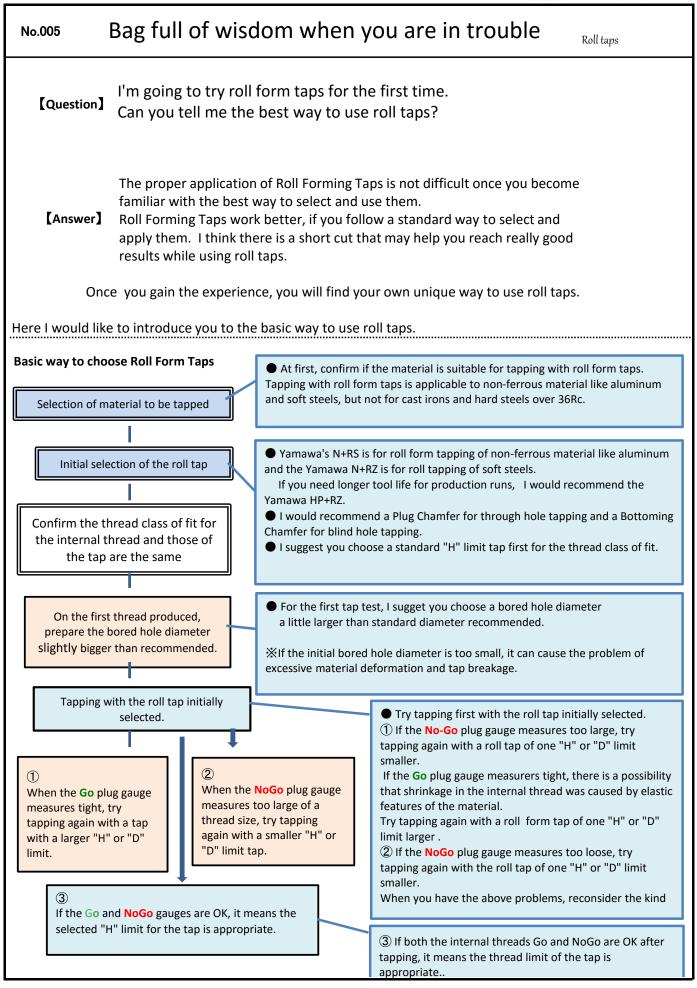
for Unified and Metric Threads

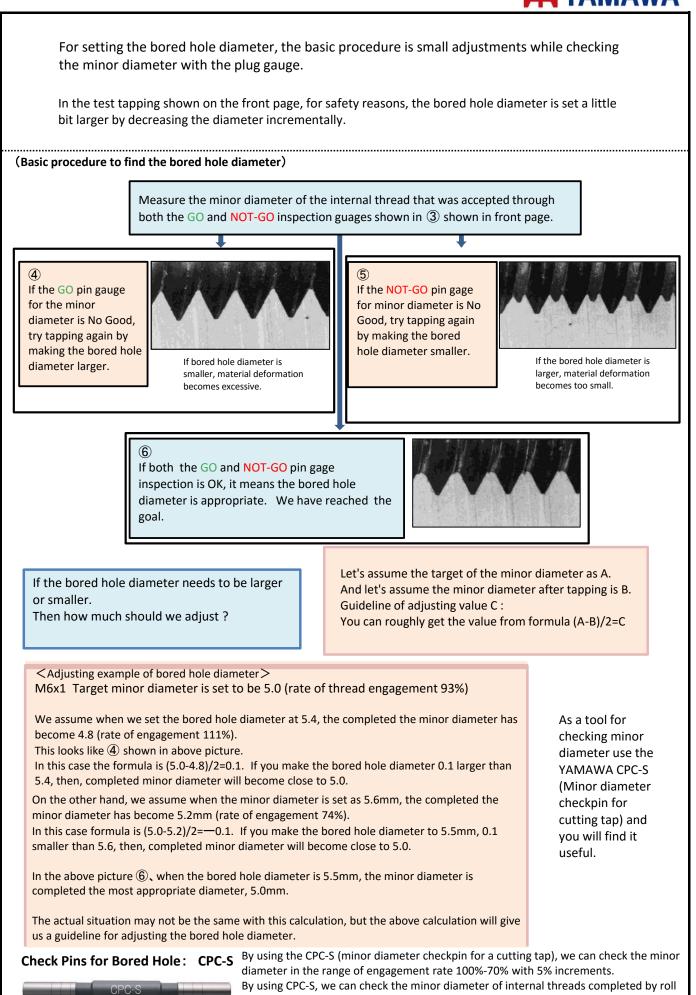
Plug Style (3 to 5 thread chamfer) Designed for shallow hole tapping <1-1/2 diameters in depth. OL-RZ Roll taps can be run 1.5 to 2 times faster than the tapping speeds recommended for thread cutting taps.

Sole Agent for North America YMW TAPS U.S.A. 855-969-8721









taps as well by 5% increments.

k threads with