



**GENERAL PURPOSE
TAPS**

INNOVATION & TECHNOLOGY
Product leaflet



■ **TAPS RANGE**

**MULTI MATERIAL
APPLICATIONS**

STEELS & STAINLESS STEELS, CAST IRON & ALUMINIUM

Hand & machine tapping, ISO & DiN norms

GENERAL PURPOSE TAPS

INNOVATION & PERFORMANCE

With over 40 years experience in the manufacture of Taps Tivoly offers a new range specially designed for general purpose applications.

Based on extensive research our new innovative design is closely targeted at the most common applications and performance requirements of metalworking professionals (from general metal & maintenance work to specific applications such as boiler making and locksmithing).



GENERAL PURPOSE APPLICATIONS IN THE VAST MAJORITY OF STANDARD MATERIALS

- ▶ Standard Steel
- ▶ Heat treatable steel
- ▶ Cast iron
- ▶ Stainless steel (304L/316L)
- ▶ Aluminium profiles ■

B SURFACE FINISH

Tivoly®'s general purpose taps have a surface finish using a special vapor based STEAM process. This finishing process ensures:

- ▶ reduces friction and cutting tool wear
- ▶ optimised swarf removal
- ▶ reduced stoppages
- ▶ smooth accurate tapping ■

C GEOMETRY DESIGN

With a geometry design optimised for general purpose applications (specific cutting angles for special profiles, progressive cutting or reverse cones) Tivoly®'s general purpose taps guarantee high quality and consistent performance in all types of material.

“FOR SAFETY AND PRECISION IN TAPPING TASKS WITH A STANDARD DRILL OR HAND HELD TAPPING MACHINE HIGH QUALITY MATERIAL.”

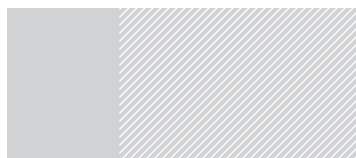
A HIGH QUALITY MATERIAL

Tivoly®'s general purpose taps are manufactured from High Speed Steel or High Speed Steel with Cobalt specially selected for their increased resistance and toughness guaranteeing fewer breakages and longer wear life ■

- ▶ Reduced friction
- ▶ More efficient swarf removal
- ▶ Easy tap removal
- ▶ Reduced pull on the rear cutting edges ■

D IDENTIFICATION

A high visibility yellow ring makes identifying Tivoly® general purpose machine taps quick and easy. ■



02

STABILITY AND REDUCED TORQUE

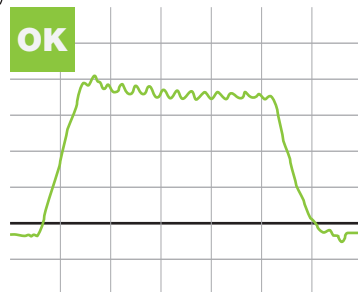
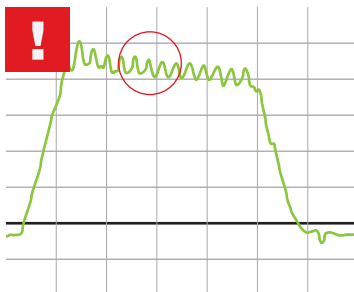
- ▶ Machine taps HSS/HSSE, Gun, back chamfer.
 - ▶ General purpose taps, comfort and accuracy
- INCREASED TOOL LIFE**



TORQUE TEST STAINL. STEELS 304L

Depth 8 mm
Cutting speed 6 m/mn
Metric 8x1,25 mm

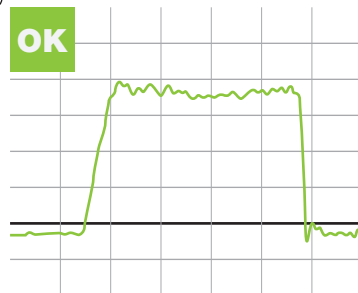
- Standard Tap
- Tivoly® Tap



TORQUE TEST STEELS F114

Depth 16 mm
Cutting speed 9 m/mn
Metric 8x1,25 mm

- Standard Tap
- Tivoly® Tap



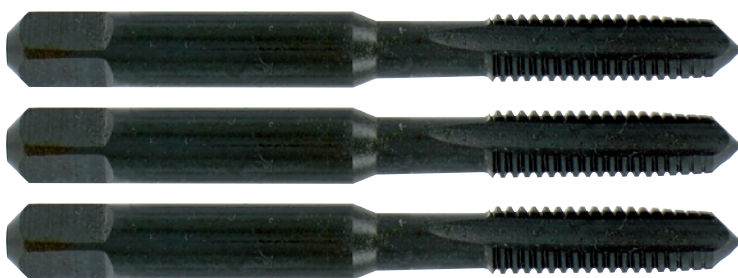
FLEXIBILITY

ROBUSTNESS, SAFETY & ACCURACY

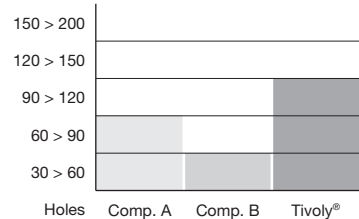
- ▶ STANDARD STEELS ▶ HEAT TREATABLE STEELS ▶ STAINLESS STEELS (304L|316L) ▶ CAST IRON ▶ ALUMINIUM PROFILES

03

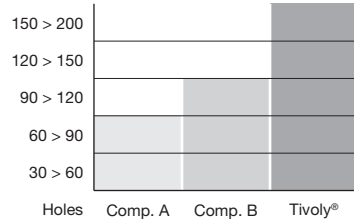
- ▶ Set of 3 HSS hand taps serial type.
- ▶ General purpose hand taps, robustness and accuracy



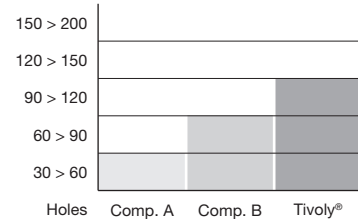
LIFE TEST STAINL. STEELS 304L



LIFE TEST STEELS F114



LIFE TEST ALU. LM24 BS1490



GENERAL PURPOSE TAPS

FLEXIBILITY, ROBUSTNESS, SAFETY & ACCURACY

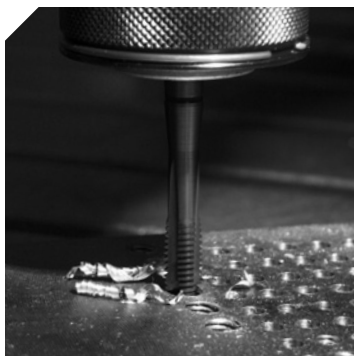


General purpose applications in the vast majority of standard materials

| Norm | ISO529 | | | DiN352 | | | DiN3711376 | | | |
|--------|--------|------|---|--------|----|------|------------|------|------|--|
| Metric | MIMF | MIMF | M | M | MF | MIMF | MIMF | MIMF | MIMF | |
| Tap | | | | | | | | | | |

| Steel | HSS M2 | | | | | HSS E M35 | | | |
|---------------|-------------|-------------|-----------|----------|-------------|-------------|-------------|-------------|-------------|
| Range Ø ▶ | M2 to M30 | M3 to M30 | M3 to M20 | M2 to 52 | MF4 to MF33 | M2 to M10 | M3 to M48 | M2 to M10 | M4 to M36 |
| Applcat. Vc | MF3 to MF24 | MF3 to MF22 | | | | MF4 to MF10 | MF8 to MF36 | MF8 to MF10 | MF8 to MF30 |
| AB 20 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| CDE 8 | ■ | ▣ | ▣ | ■ | ■ | ■ | ■ | ■ | ■ |
| FGH 8 | ■ | ▣ | ▣ | ■ | ■ | ■ | ■ | ■ | ■ |
| IJ 20 | ■ | ▣ | | ■ | ■ | ■ | ■ | ■ | ■ |
| KLM 25 | ▣ | ▣ | ▣ | ▣ | ▣ | ▣ | ▣ | ▣ | ▣ |
| PX 30 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Unalloyed or low alloyed steels ■ Heat treatable steels ■ Stainless steels ■ Cast iron ■ Cast aluminium
 ■ Plastics & Composites ■ Recommended ▣ Suitable | Vc = cutting speed m/mn.



Tivoly_GeneralProposeTaps_Leaflet210x297
 V1_02.2012

Contact communication@tivoly.com
 Photo credits ©Tivoly®
 (the photographs in this document are by no means contractual) ■



The Tivoly® corporate logotype is a registered trademark ■ For inquiries, please contact communication@tivoly.com

