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1. GENERAL SPECIFICATIONS

THERMO JP+® is:

- an evolution of **THERMO JP2®**, made by Thermocompact.
- Optimized for Japanese machines without changing the original parameters of brass wire.

THERMO JP+® maintains its straightness throughout time, has a good surface finish and machining time (see tests and comparison performances below).

2. DETAILED CHARACTERISTICS

CORE:	Brass 60/40
COATING:	Gamma CuZn + new surface coating
DIAMETER TOLERANCE:	0/ - 0.002 mm
OVALISATION:	0.001 mm (maxi)
TENSILE STRENGTH:	900 N/mm ²
YIELD STRENGTH:	790 N/mm ²
ELONGATION:	2%
CONDUCTIBILITY:	22% IACS

3. USAGE RECOMMENDED

<i>USE ON MACHINE:</i>	Japanese machines.
<i>USAGE RECOMMENDED:</i>	General mechanics, dies and tools.
<i>MATERIAL:</i>	Steel, copper, tungsten carbide, aluminium, nickel, titanium, PCD

4. PATENTS

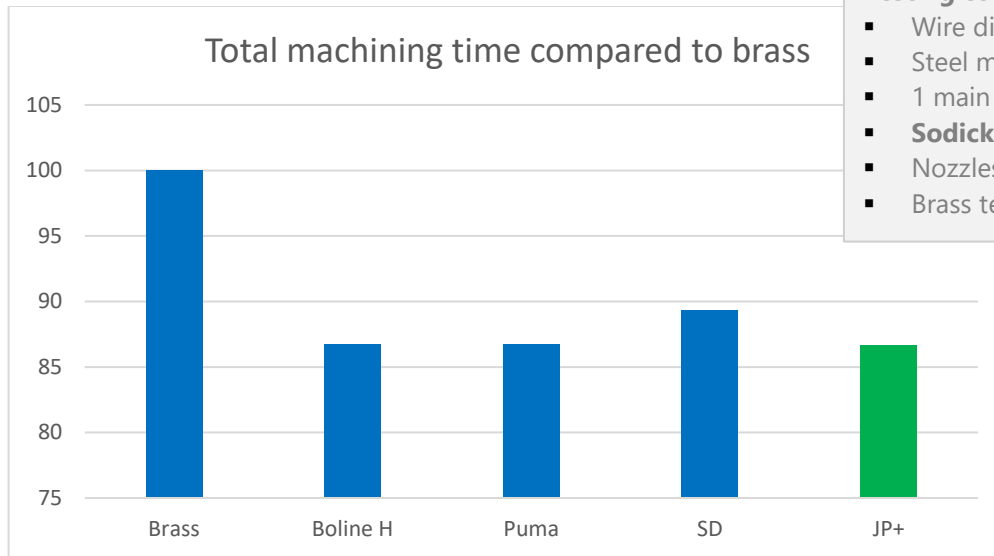
US 8067 689
Application FR 856118

Manufactured in Europe by Thermocompact.
Manufactured in Asia by HWA

5. TESTS AND COMPARISON PERFORMANCES – made by Thermocompact R&D Department.

Good performance tests on Sodick SLC400G for **Thermo JP+®**

➔ **MACHINING TIME COMPARISON:**



- Testing conditions :**
- Wire diameter: 0,25mm
 - Steel material h= 50mm
 - 1 main cut & 2 finish cuts
 - **Sodick SLC400G machine**
 - Nozzles position: unsealed
 - Brass technology

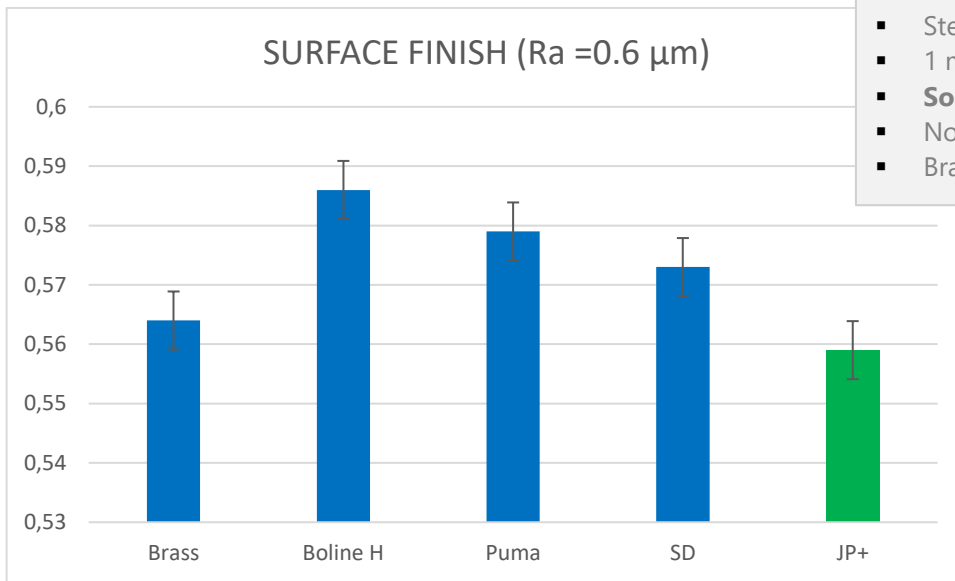
Wire désignation	Brass	Boline H	Puma	SD	JP+
Total time:	100%	86,7%	86,7%	89,3%	86,6%

Thermo JP+® performance:

- Significant cumulative saving time versus Brass.
- **Total saving time Thermo JP+ compared to brass = 13,4%**



SURFACE FINISH (Ra) on Sodick SLC400G:



Testing conditions :

- Wire diameter: 0,25mm
- Steel material h= 50mm
- 1 main cut & 2 finish cuts
- **Sodick SLC400G machine**
- Nozzles position: unsealed
- Brass technology

- with **Thermo JP+ ®**, excellent roughness with standard technology.

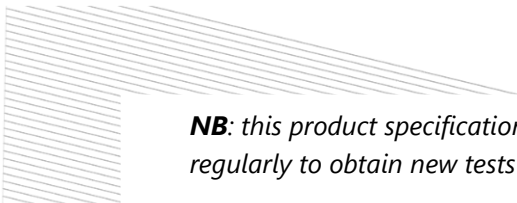
6. BENEFITS RESUME / AVAILABILITY

Thermo JP+ ® proven benefit:

- ⇒ Technology of coated wire:
 - without changing the original parameters of brass wire
- ⇒ Optimized for Japanese machines:
 - High speed wire, with a surface finish as good as a brass
 - improved uptime
- ⇒ Competitive advantage secured by patents

AVAILABILITY

Thermo JP+ ®		K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0,008"	JP+		■	■	■		■	■	■
0,25 mm 0,010"	JP+		■	■	■	■	■	■	■
0,30 mm 0,012"	JP+		■	■	■	■	■	■	■



NB: this product specification sheet is upgraded on a regular basis, please check it regularly to obtain new tests and comparison performances.