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## 1. GENERAL SPECIFICATIONS

**THERMO SD®** increases speed and productivity, even with brass technology due to its unique coating.

**THERMO SD®** has been engineered for the GFMS AgieCharmilles machines. Its universal usage is adapted as well to Japanese machines.

**THERMO SD®** is a wire for universal usage, for application requiring precision in cutting with good surface finish.

## 2. DETAILED CHARACTERISTICS

CORE:	Brass 63/37	
COATING:	Gamma CuZn	
DIAMETER TOLERANCE:	0 / - 0.002 mm	
OVALISATION:	0.002mm (maxi)	0.001 mm (maxi)
TENSILE STRENGTH:	450 N/mm <sup>2</sup>	900 N/mm <sup>2</sup>
YIELD STRENGTH:	330 N/mm <sup>2</sup>	790 N/mm <sup>2</sup>
ELONGATION:	12%	2%
CONDUCTIBILITY:	23% IACS	20%

## 3. USAGE RECOMMENDED

**USE ON MACHINE:** GFMS AgieCharmilles, ONA, Sodick, Fanuc, Mitsubishi, Makino.

**USAGE RECOMMENDED:** General mechanics, dies and tools.

**MATERIAL:** Steel, copper, tungsten carbide, aluminium, nickel, titanium, PCD

## 4. PATENTS (THERMO SD 900 and THERMO SD 500)

EP 1 009 574	US 5 945 010	CA 2 302 202
US 8 338 735	CN ZL 2008 1 0009227.7	TW i 350780
CN 101 234 442	JP 5 627 841	KR 10-0981035
EP 1 949 995		

Manufactured in Europe by Thermocompact.

Manufactured in Asia by HWA.

## 5. COMPARISON PERFORMANCES

**THERMO SD®** increases the production of parts up to 20% compared to standard brass.

**THERMO SD®** reduces the machining cost of the production of parts requiring high accuracy and good surface finish.

## 6. AVAILABILITY

<b>Thermo SD®</b>		K100	T125	T160	T200	K250	K355	JP5	JP10	JP15
0,20 mm 0,008"	SD		■	■	■			■	■	■
0,25 mm 0,010"	SD		■	■	■	■	■	■	■	■
0,30 mm 0,012"	SD		■	■	■	■	■	■	■	■
0.33mm 0.013"				■	■	■	■	■	■	■

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