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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 ²	900 N/mm ²
YIELD STRENGTH:	700 N/mm ²	
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 for 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		

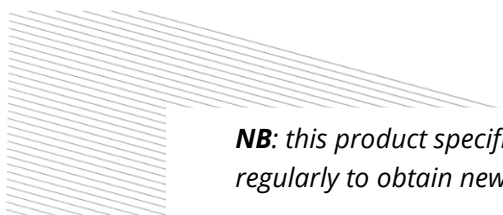
Manufactured in Europe by Thermocompact.

Manufactured in Asia by HWA.

5. TESTS AND 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.



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