



THERM () technologies

EDM WIRES

EXCELLENCE IN WIRES

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A world market leading specialist in EDM: we support our client with excellence for over 45 years

06 CHOOSE YOUR WIRE

About precision and threading

08 MAKE AN EASY CHOICE VISUALLY

3 criteria & usage recommended



10-50 WIRES ACCORDING TO YOUR PRODUCTION NEEDS:

VERY HIGH SPEED & PRECISION

THERMO XCC[®]
THERMO TEX[®]
THERMO SWX[®]

28 SPEED & PRECISION

THERMO SD[®]
THERMO SD2[®]
THERMO JP2[®]
THERMO JP2[®]
THERMO JP⁺®

54 ALL PURPOSE

THERMO BRASS 1000°
THERMO BRASS 900°
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40 SUPER PRECISION & SPEED

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THERMO SWS[®]
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62 ZINC FREE

THERMO ZF[®]
THERMO ZF^{†®}
THERMO ZF sigma[®]

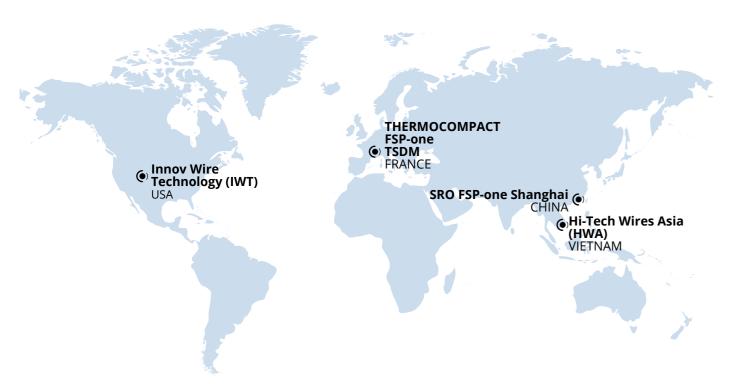
70 | PLAN YOUR PRODUCTION

2 | PLAN YOUR ORDERS – STORAGE CONDITIONS



Innovative coatings and wires for high tech industry

Locations on 3 continents : Europe, Asia and America.



We seek excellence to be world leader in our niche markets and offer the best:



INNOVATION **PERFORMANCE** COMPETITIVENESS

to meet the expectations of our industrial customers with applications in high technology sectors: aeronautics, space, telecom, automotive, connector technology, general and fine mechanics, health, optical, photovoltaics...

PROFICIENT IN 6 ORIGINAL **CORE BUSINESSES**

WE MANUFACTURE:

- High-end wires for **EDM**,
- High value added technical surface coating: electrolytic, thermal and chemical processes,
- **Speciality coated wires** for specific electrical cables,
- **Metal heat chemical** treatments,
- **Diamond electroplated wires** for photovoltaic, electronic and sapphire applications,
- **Diamond wire saws** for slicing hard and brittle materials.

ECO FRIENDLY SOLUTIONS TO PROTECT OUR PLANET RESOURCES

- We prefer short circuits for the supplies of raw materials.
- We are committed to zero pollution. All our technological processes continuously improve the waste recycling and eliminate any chemical pollution.
- **)** Our innovative solutions allow energy savings on manufacturing equipment.

INNOVATION:

PART OF OUR DNA

Forward-looking, with a dynamic and proven approach of continuous progress and innovation, our Research and **Development** team pushes the limit of performance of the process and products and works continuously on new material structures: R&D's group regularly demonstrates results including world wide patents that cover innovative EDM wires and manufacturing processes.

As an international leader and to answer to the needs of our industrial partner and clients in the course of excellence and innovation, we develop every year innovative products and processes in terms of performance, productivity and quality constancy.

More than 18 patents for product and process

2% revenues invested every year in R&D

Major partnerships with research centers, innovation clusters and global corporations

SMART SPOOL®



WORLDWIDE

TRACEABILITY



CAPTURE RECORD **DELIVER INFORMATION**

stock management

(humidity control



temperature



Its ingenious on-board electronic system with

tracking sensors gives all informations to support:

- Traceability
- Technical data control
- > Production management



An innovation protected by the patent EP 3 356 076

weight & length

traceability

EDM WIRES





THERMOCOMPACT, with more than 100 years of experience and know-how acquired in electroplating, designs and manufactures in France the best performing and innovative EDM wires for its clients in high technology sectors.

Today THERMOCOMPACT engineers and works on world class production lines and is considered the world-wide leader in EDM wires, specialised in electroplating.



Hi-Tech WIRES ASIA, since 2007, manufactures in Vietnam the best performing and innovative EDM wires, based on the know-how and the expertise of Thermotechnologies group in electroplating. HWA deserves the Asian and the American markets with the best quality and reliability existing for EDM wires.



Both, THERMOCOMPACT and HWA, support their industrial customers to reach their goals of technical and improved productivity, applying the thermo-technology group founding values:



THERMOCOMPACT: THE ORIGINAL PATENT HOLDER FOR "GAMMA", "GAMMA WITHOUT DISTRIBUTION", AND "BETA/GAMMA" EDM WIRES

We have developed:



The first coated EDM wire in 1973: THERMO X®

The fastest EDM wires in 2002: THERMO XCC®

The market reference for precision in 2007: **THERMO SA®**

A new EDM wire with combination between speed and accuracy: **THERMO SD2**® and **JP2**® in 2012

The next generation of EDM wire in 2019: **THERMO SA**^{+®} and **THERMO JP**^{+®}

WE SUPPORT OUR CUSTOMERS IN ACHIEVING EXCELLENCE SINCE A LONG TIME WITH HIGH VALUE EDM WIRES RESULTING IN MAJOR PRODUCTIVITY GAINS

We partner with our clients, the mechanical and micro-mechanical manufacturers to offer high added value wires adapted for precision and productive machining.

- **)** Our **wide range of EDM wires** offers more than 25 EDM wires, from brass to last generation of patented coated wires.
- Our high-tech wires can machine any type of metal part regardless of hardness, complexity and precision.

We continuously adapt our EDM wires to the combined needs of performance of our customers for many applications: cutting tools, molds and dies, highly sophisticated parts manufactured for medical equipment, aerospace, watchmaking, connectors, precision mechanical parts etc...

WE OFFER PERSONALISED SERVICE AND LONG TERM TECHNICAL PARTNERSHIP INCLUDING:

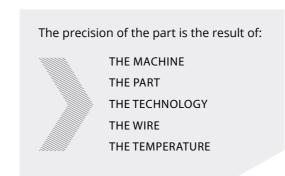
- **Personalised recommendations** on machine issues, wherever our customers are in the world
- **A long-term support**, establishing a **knowledge-sharing plan** with our customers to ensure continuous improvement for EDM wire performances, and greater return on investment.



CHOOSE YOUR WIRE

ABOUT PRECISION

Our coated wire combined with a dedicated technology setup on machine will provide you the best precision:



MACHINES SOLUTIONS

			+GF+]						
YOUR NEED	WIRE	MICRO MACHINING & TOP END ACCURACY	HIGH SPEED	GENERAL	V OWA	Sodick	FANUC	MITSUBISH	MAKINO	VOLLMER	Seibu
VERY	THERMO XCC®		•	-							
HIGH SPEED &	THERMO TEX®		•	•	•						
PRECISION	THERMO SWX®		•		•						
	THERMO SE® *										■
HIGH	THERMO SWO®										
SPEED & PRECISION	THERMO SWW®		Offered for certified processes which are still in operation								
	THERMO D®										
	THERMO SD®									•	
	THERMO SD2®		-								
SPEED & PRECISION	THERMO JP® **				_						
	THERMO JP2® **				_						
	THERMO JP*® **										
	THERMO SA ^{†®}		-								
	THERMO SA®										
SUPER	THERMO SA 500®										
PRECISION	THERMO SA 400®										
& SPEED	THERMO SWA®										
	THERMO SWS®										
	THERMO A®										
ALL PURPOSE	THERMO BRASS 1000®					-	•	•	•		
	THERMO ZF®		•		-						
ZINC FREE	THERMO ZF ^{†®}		•		_				_	-	•
FREE	: : THERMO ZFsigma® :		•	•	•	•			•	•	•

ABOUT THREADING

Most modern EDM machines use a thermal system to prepare the wire before automatic threading. They make the wire straight themselves. This operation on the machine allows the wire to be straight enough for

threading. Thus, they can automatically thread curved wires such as soft brass (500N/mm² and 400N/mm²). Some machines still require the wire to be straight, or to be flexible enough to remain in the threading jet.

YOUR NEED	WIRE	LEVEL OF STRAIGHTNESS	PAGE
VERY	THERMO XCC®	С	14
HIGH SPEED &	THERMO TEX®	С	16
PRECISION	THERMO SWX®	С	18
	THERMO SE® *	В	22
HIGH SPEED &	THERMO SWD®	В	24
PRECISION	THERMO SWW®	С	26
	THERMO D®	В	28
	THERMO SO®	Α	30
	THERMO SD2®	В	32
SPEED & PRECISION	THERMO JP® **	А	34
	THERMO JP2® **	В	36
	THERMO JP*® **	A	38
	THERMO SA ^{†®}	А	42
	THERMO SA®	A	44
SUPER	THERMO SA 500®	В	46
PRECISION	THERMO SA 400®	С	46
& SPEED	THERMO SWA®	Α	48
	THERMO SWS®	В	50
	THERMO A®	Α	52
ALL PURPOSE	THERMO BRASS 1000 [®]	Α	56
	THERMO ZF®	С	64
ZINC FREE	THERMO ZF*®	В	66
	: : THERMO ZFsigma® :	В	68

- A the wire is straight
- the wire is less straight, but it is flexible enough to thread automatically on most systems, provided the water jet is strong enough
- the wire should be thermally straightened by the machine or be threaded by hand

- * THERMO SE [®] is an high speed wire. To obtain its best performance, some parameters can be pushed.
- ** We have designed THERMO JP®,
 THERMO JP2® and THERMO JP2*®
 to fit with Japanese machines with its
 original brass parameters.

MAKE AN EASY CHOICE VISUALLY



In the following pages, the radar graph shows the performances of our wires compared to the standard brass.

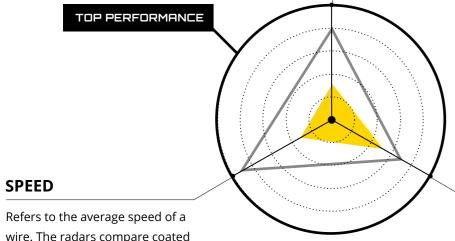
CHOOSE YOUR WIRE WITH 3 CRITERIA

O.E.E.

Overall Equipment Effectiveness

Refers to the process performance improvement, compared to the time needed for the wirerelated maintenance of the machine. If, for example, the set up time is reduced, the O.E.E. will increase more product for less ressource. The maintenance related to the wire includes:

- Replacement current feeders
- Wire guides cleaning, and re-alignment of heads



wire. The radars compare coated wires to brass, in the same flushing conditions.

Coating enhances not only the rough cut's speed but also the cutting speed of some trims.

QUALITY

Refers to the best surface finish a wire can achieve, and to the best positioning accuracy during electrical edge sensing.

USAGE RECOMMENDED



AERONAUTICS



GENERAL MECHANIC



FINE MECHANIC



MEDICAL



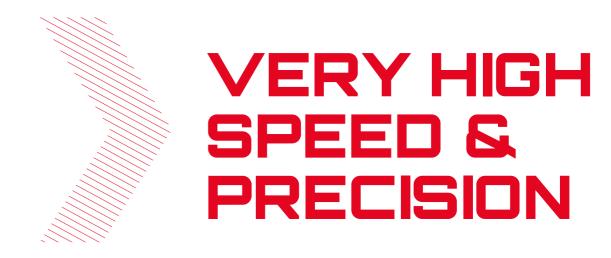
MOLDS



DIES AND TOOLS







WIRES DEDICATED

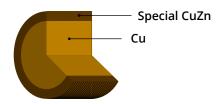
THERMO XCC®

THERMO TEX®

THERMO SWX®



COPPER CORE, CUZN CORTING



THERMO XCC® has been developed and adjusted for GFMS AgieCharmilles machines to increase the cutting speed.

With a machine equipped with Clean Cut generator,

THERMO XCC® can reach a cutting speed superior to
500 mm²/min.

It offers a processing speed up to 50% higher than standard brass wire.

THERMO XCC wire suits particularly for nickel base alloys, for aeronautic production as an example.

It is particularly recommended for large workpiece machining (H> 150 mm) and individual mechanical parts or series.

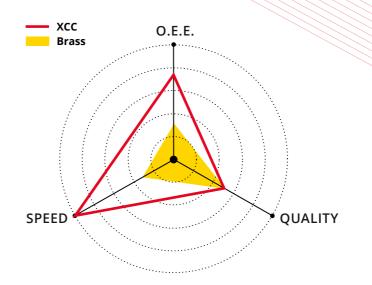
THERMO XCC® is the ultimate solution when the priority is cutting speed.

USAGE RECOMMENDED









PATENT RELATED

EP 1 455 981 US 7 687 738 CN ZL 02 8 25126.1 JP 4 516753 BR 0 214 599

AVAILABILITY BY SPOOL TYPE AND DIAMETER

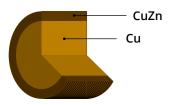
THERM	10 хсс	K100	T125	T160	T200	K250	K355
0,25 mm 0.010"	25XCC			•	•	•	•
0,30 mm 0.012"	30XCC			•		•	•
0,33 mm 0.013"	33XCC			•		-	

Core	Cu α
Coating	Thick CuZn β
Tensile Strength	500N/mm ²
Elongation	2%
Conductibility	65% IACS





COPPER CORE, CUZN COATING



THERMO TEX® is well adapted to GFMS AgieCharmilles and ONA machines, and 100% compatible with the THERMO SWX® technology.

Due to its clean wire surface **THERMO TEX** [®] combines a very high level of performance and realistic savings on maintenance of wire EDM machines.

THERMO TEX [®] is recommended for a wide range of standard applications in the field of molds, tools or general mechanics.

THERMO TEX® wire replaces

X wire, fully compatible with its
technologies, keeping all the
machine parameters.

Its cutting speed is up to 35% higher
than standard brass and 10% higher
than THERMO SWX®.

USAGE RECOMMENDED

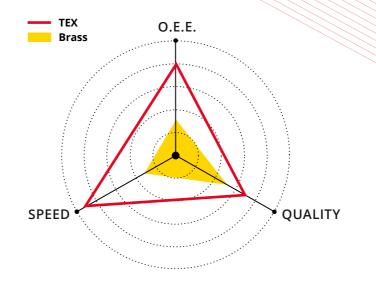








LATEST GENERATION OF EDM WIRE, CLEANLINESS AND VERY HIGH SPEED CUTTING WITH THE BEST QUALITY/PRICE RATIO



PATENT RELATED

EP 1 009 574 CA 2 302 202 US 5 945 010 EP 1 846 189

TW i391197

CN ZL2006 80004564.6

US 8 378 247

IN 262 000 JP 5 069 134

KR 10-1 653 551

AVAILABILITY BY SPOOL TYPE AND DIAMETER

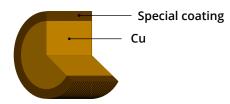
THERN	MO TEX	K100	T125	T160	T200	K250	K355	JP5
0,25 mm 0.010"	25 TEX							
0,30 mm 0.012"	30 TEX				•			

Core	Cu α
Coating	CuZn β and Cu $_5$ Zn $_8$ γ
Tensile Strength	450N/mm ²
Elongation	1%
Conductibility	70% IACS





COPPER CORE, **CUZN COATING**



THERMO SWX is dedicated to GFMS AgieCharmilles Machines Robofil type.

Thanks to its cutting speed, **THERMO SWX**® reduces the cost of production in the most varied and complex applications.

It is widely used in the field of molds.

The reference wire for GFMS AgieCharmilles and ONA machines. THERMO SWX® is 30% faster than standard brass.

USAGE RECOMMENDED







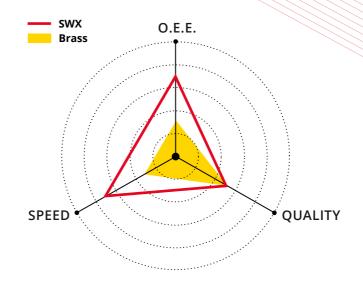
CHARACTERISTICS

Core	Cu α
Coating	CuZn β
Tensile Strength	450N/mm ²
Elongation	1%
Conductibility	80% IACS





THE ORIGINAL X WIRE FOR SPEED, WELL ADAPTED FOR GFMS AGIECHARMILLES AND ONA MACHINES



AVAILABILITY BY SPOOL TYPE AND DIAMETER

THERM	NO SWX	K100	T125	T160	T200	K250	JP5
0,25 mm 0.010"	25X				•	•	
0,30 mm 0.012"	30X				•		

ALSO AVAILABLE ON DEMAND

THERMO SW[®]: The first coated wire available for EDM machines

- **▶ THERMO SW** [®] is particularly adapted to the generation of GFMS AgieCharmilles machines having the annealing devices and calibration.
- > Cutting speed up to 15% higher than brass wire.







HIGH SPEED &PRECISION

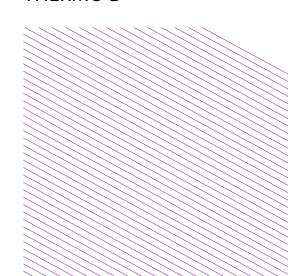
WIRES DEDICATED

THERMO SE®

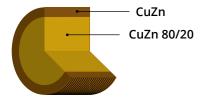
THERMO SWD®

THERMO SWW®

THERMO D®



BRASS CORE. **CUZN COATING**



THERMO SE® is suitable for all type of wire EDM machines (GFMS AgieCharmilles, Makino, Vollmer and all Japanese machines).

Highly recommended for all standard applications that require speed and accuracy, particularly in unfavorable flushing conditions.

THERMO SE® is an economical alternative to the use of THERMO SWO®, with superior efficiency.

THERMO SE® offers a processing speed up to 30% higher than a standard brass. The wire surface is extremely clean, reducing machine maintenance. An economical performance with a guaranteed productivity.

USAGE RECOMMENDED





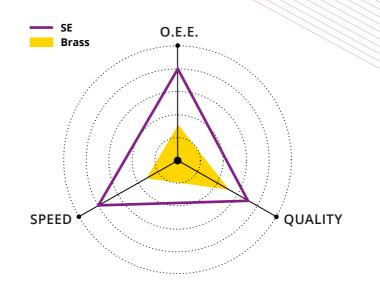








HIGH PERFORMANCE, ESPECIALLY RECOMMENDED FOR MACHINING LARGE PARTS (HEIGHT > 100 MM) AND FOR SERIAL MANUFACTURING



PATENT RELATED

EP 1 009 574 CA 2 302 202

US 5 945 010

EP 1 846 189

TW i391197

CN ZL2006 80004564,6

US 8 378 247

IN 262 000

JP 5 069 134

KR 10-1 653 551

AVAILABILITY BY SPOOL TYPE AND DIAMETER

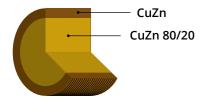
THER	MO SE	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	SE							•	
0,25 mm 0.010"	SE						•	-	•
0,30 mm 0.012"	SE						•		
0,33 mm 0.013"	SE					•		•	•

Core	Brass80/20
Coating	CuZn β and Cu ₅ Zn ₈ γ
Tensile Strength	750N/mm ²
Elongation	2%
Conductibility	28% IACS





BRASS CORE, CUZN COATING



THERMO SWO® is suitable for all EDM machines using automatic threading, particularly adapted for latest Agie generation of GFMS AgieCharmilles and Makino machines.

With high electrical and thermal conductivity, THERMO SWO® is dedicated to machines fitted with powerful generator.

It is particularly recommended for applications that require standard accuracy and speed machining.

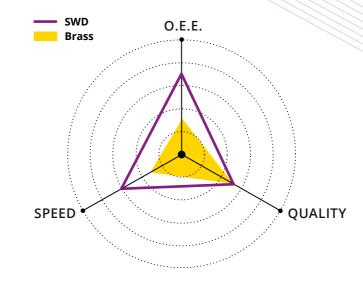
THERMO SWO® offers a processing speed up to 20% higher than a standard brass.

USAGE RECOMMENDED









AVAILABILITY BY SPOOL TYPE AND DIAMETER

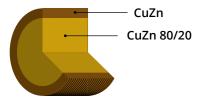
THERM	IO SWD	K100	T125	T160	T200	K250	JP5
0,25 mm 0.010"	SW25D			•	•		
0,30 mm 0.012"	SW30D			•	•		

Core	Brass80/20
Coating	CuZn β
Tensile Strength	850N/mm ²
Elongation	2%
Conductibility	27% IACS





BRASS CORE, CUZN COATING



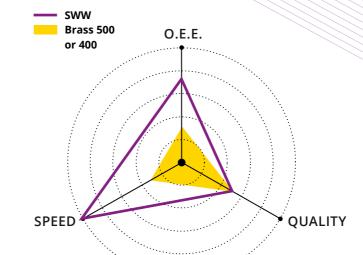
THERMO SWW® is dedicated to machines fitted with powerful generators or the lastest generation: IPG (Intelligent Power Generator).

Its 15% elongation characteristic and a high thermal and electrical conductibility allows to cut 45° conical sections with precision.

THERMO SWW® offers a processing speed up to 20% higher than a standard brass.

USAGE RECOMMENDED





CHARACTERISTICS

Core	Brass80/20
Coating	CuZn β
Tensile Strength	450N/mm ²
Elongation	15%
Conductibility	31% IACS



AVAILABILITY BY SPOOL TYPE AND DIAMETER

THERM	IO SWW	K100	T125	T160	T200	K250	JP5
0,25 mm 0.010"	SW25W		•	•		•	
0,30 mm 0.012"	SW30W		•	•	•	•	

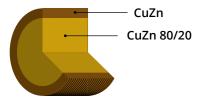
RECOMMENDED FOR

PARTS UP TO 45°

SPEED CUTTING OF TAPERED



BRASS CORE, CUZN COATING



THERM□ □® is suitable for all EDM machines using automatic threading, particularly for GFMS AgieCharmilles 100 series and Makino machines.

THERM□ □[®] is recommended for applications that require standard accuracy and speed machining.

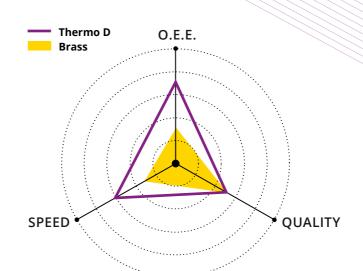
Its high speed erosion is up to 20% faster than brass wire due to its high thermal and electrical conductibility.

THERM□ □® has the same characteristics than THERMO SWD®. Its innovative manufacturing process allows for a very competitive price.

USAGE RECOMMENDED







AVAILABILITY BY SPOOL TYPE AND DIAMETER

THER	MO D	K100	T125	T160	T200	K250	JP5
0,25 mm 0.010"	D 25		•	•		•	•
0,30 mm 0.012"	D 30		•	•		•	

THE ORIGINAL WIRE

FOR MACHINES HAVING

A POWERFUL GENERATOR

Core	Brass80/20
Coating	CuZn
Tensile Strength	850N/mm ²
Elongation	2%
Conductibility	27% IACS

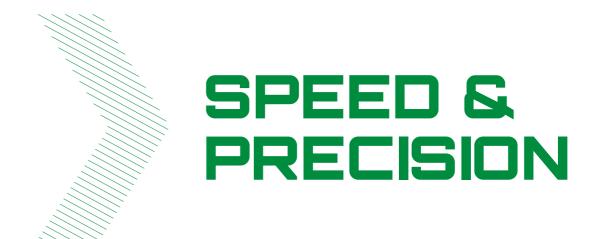






SPEED & PRECISION 29





WIRES DEDICATED

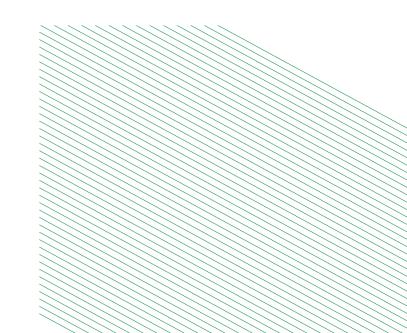
THERMO SD®

THERMO SD2®

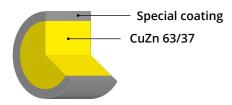
THERMO JP®

THERMO JP2®

THERMO JP + ®



MONOPHASED α BRASS CORE. γ CU_SZN_B GAMMA PHASE COATING



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

Compared to standard brass:

- **THERMO SD®** increases the production of parts up to 20% compared to standard brass.
- It reduces the machining cost of the production of parts requiring high accuracy and good surface finish.

THERMO SO® is widely used for standard applications in the field of molds, tools or general mechanics.

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

USAGE RECOMMENDED









CHARACTERISTICS

Core	Brass 63/37	Brass 63/37					
Coating	γ Cu ₅ Zn ₈						
Tensile Strength	450 N/mm ²	900 N/mm ²					
Elongation	12%	2%					
Conductibility	23% IACS	20% IACS					





UNIVERSAL USAGE, FOR APPLICATION REQUIRING PRECISION IN CUTTING WITH GOOD SURFACE FINISH



PATENT RELATED

(SD 900 and SD 500)

US 5 945 010

EP 1 009 574

CA 2 302 202

US 8 338 735

CN ZL 2008 1 000922.7

TW i 350780

CN 101 234 442

JP 5 627 841

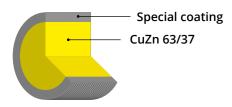
KR 10-0981035

EP 1 949 995

THERM	MO SD	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				-			•		
0,33 mm 0.013"	SD				•					



MONOPHASED α BRASS CORE, DUAL LAYER OF β CUZN AND γ CU_SZN_B COATING



THERMO SO2® is an evolution of THERMO SO® and is the latest generation of EDM wire.

Faster than **THERMO SO**[®] due to its special coating, **THERMO SO2**[®] provides an excellent price/performance ratio.

THERMO SD2® is recommended for a wide range of standard applications requiring good accuracy and good surface finish.

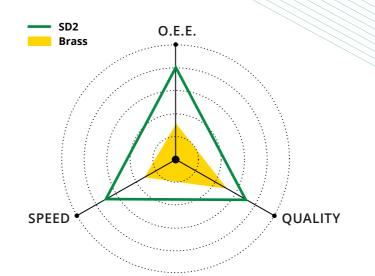
THERMO SD2 ® is a new EDM wire developed and made by THERMOCOMPACT.

Specific technology on GFMS Cut200, Cut300 and Cut400 machines.

USAGE RECOMMENDED







PATENT RELATED

EP 1 009 574

LATEST GENERATION OF WIRE.

HIGH SPEED PERFORMANCE
AND PRECISION IN CUTTING

FOR HIGH PRODUCTIVITY

CA 2 302 202

US 5 945 010

EP 1 846 189

TW i391197

CN ZL2006 80004564,6

US 8 378 247

IN 262 000

JP 5 069 134

KR 10-1 653 551

AVAILABILITY BY SPOOL TYPE AND DIAMETER

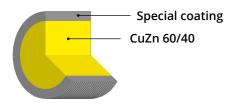
THERM	10 SD2	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	SD2				•				
0,25 mm 0.010"	SD2			•	•				
0,30 mm 0.012"	SD2				•				

Core	α Brass 63/37
Coating	β CuZn and γ Cu $_5$ Zn $_8$
Tensile Strength	>800 N/mm ²
Elongation	2%
Conductibility	22% IACS





DUAL PHASE α + β BRASS CORE, γ CU_SZN_B GAMMA PHASE COATING



THERMO JP® offers the technology of coated wire optimized for Japanese machines without changing the original parameters.

THERMO JP® is recommended to obtain higher accuracy, coating without flakes and good surface finish.

Its threading is particularly good.

THERMO JP® is widely used for standard application in the field of molds, tools or general mechanics.

THERMO JP® increases speed and productivity, creating more erosion on the work piece and less erosion on the wire. THERMO JP® is optimized for Japanese machines without changing the original parameters of brass wire.

USAGE RECOMMENDED





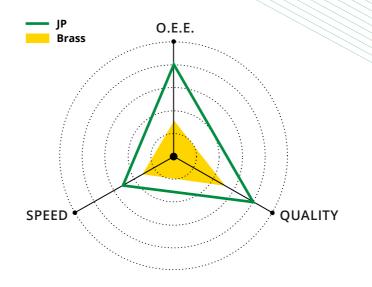
CHARACTERISTICS

Core	Brass 60/40
Coating	γ Cu ₅ Zn ₈
Tensile Strength	900 N/mm ²
Elongation	2%
Conductibility	22% IACS





DESIGNED FOR JAPANESE MACHINES, FOR APPLICATION REQUIRING PRECISION IN CUTTING WITH VERY GOOD SURFACE FINISH



PATENT RELATED

US 5 945 010

EP 1 009 574

CA 2 302 202

US 8 338 735

CN ZL 2008 1 000922.7

TW i 350780

CN 101 234 442

JP 5 627 841

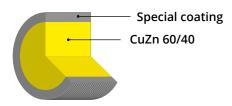
KR 10-0981035

EP 1 949 995

THER	MO 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					•			-



DUAL PHASE α + β BRASS CORE, DUAL LAYER OF β CUZN AND γ CU₅ZN₆ COATING



THERMO JP2 ® is an evolution of THERMO JP ®, the latest generation of EDM wire, well adapted to Makino and all Japanese machines type.

Due to its special coating, THERMO JP2® is faster than THERMO JP® and provides an excellent price/performance ratio.

Its threading is particularly good.

THERMO JP2® is recommended for a wide range of standard applications requiring good accuracies and surface finish.

THERMO JP2® is a new EDM wire made by THERMOCOMPACT. THERMO JP2® is optimized for Japanese machines without changing the original parameters of brass wire.

USAGE RECOMMENDED





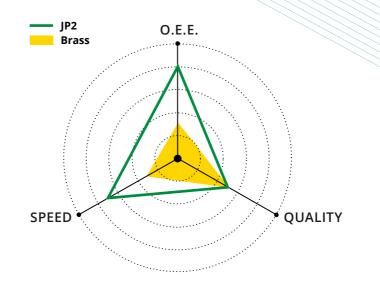
CHARACTERISTICS

Core	Brass 60/40
Coating	β CuZn and γ Cu $_5$ Zn $_8$
Tensile Strength	900 N/mm ²
Elongation	2%
Conductibility	24% IACS





NEW EDM WIRE, DESIGNED FOR JAPANESE MACHINES, HIGH SPEED PERFORMANCE AND PRECISION IN CUTTING



PATENT RELATED

EP 1 009 574 CA 2 302 202

US 5 945 010 EP 1 846 189

TW i391197 CN ZL2006 80004564,6

US 8 378 247

IN 262 000

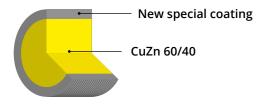
JP 5 069 134

KR 10-1 653 551

THER	MO JP2	K100	T125	T160	T200	K250	K355	JP5	JP10	JP15
0,20 mm 0.008"	JP2							-		-
0,25 mm 0.010"	JP2		•		•			•		
0,30 mm 0.012"	JP2				•			•		



DUAL PHASE α + β BRASS CORE, $\gamma \, \mathrm{CU_{5}ZN_{8}} \, \mathrm{COATING} \, \, \mathrm{AND}$ **NEW SPECIAL COATING**



THERMO JP*® is a new EDM wire: Its auto-threading ability is highly reliable. **THERMO JP***®allows a very high level of cleanliness.

Its surface finish is exceptional (Ra= 0,2 μm)

THERMO JP^{+®} is the excellent alternative to a brass wire for high productivity.

USAGE RECOMMENDED





Next generation of EDM wire, THERMO JP*® is a very good polyvalent EDM wire whatever the technology or the machine. ts cleanliness is remarkable.

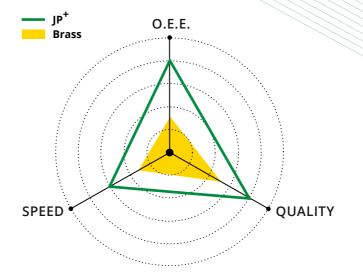


AVAILABILITY BY SPOOL TYPE AND DIAMETER

THER	MO JP ⁺	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 ⁺		•	•	■	■		•



LATEST INNOVATION WITH A SPECIAL COATING: EXTREMELY HIGH AUTO-THREADING RELIABILITY. DEDICATED TO JAPANESE MACHINES



PATENT RELATED

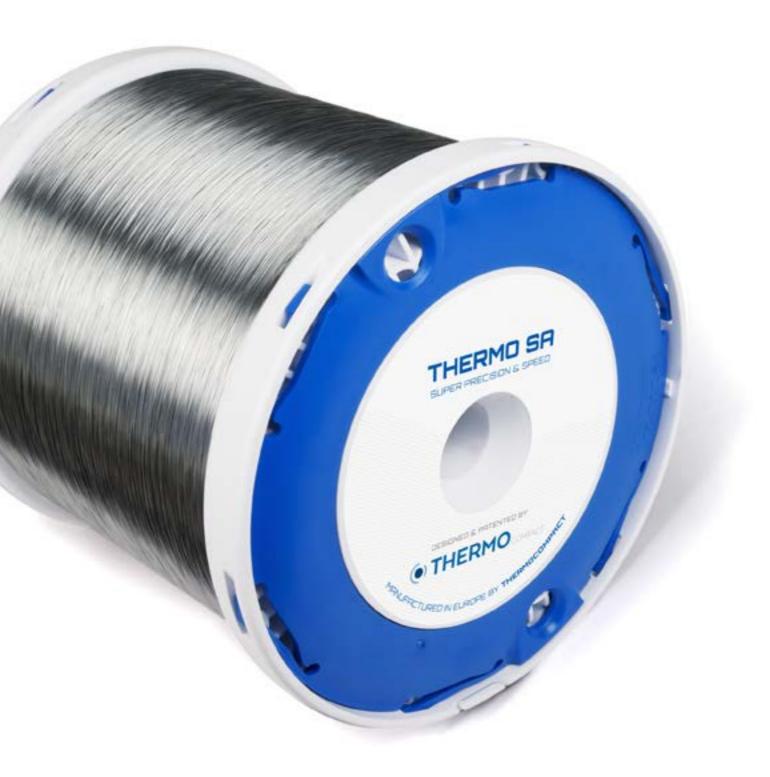
US 8067 689 F 856118

Core	Brass 60/40
Coating	γ Cu ₅ Zn ₈ and new special coating
Tensile Strength	>900 N/mm ²
Elongation	2%
Conductibility	22% IACS





SUPER PRECISION & SPEED 41





WIRES DEDICATED

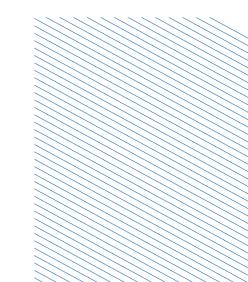
THERMO SA + ®

THERMO SA®

THERMO SWA®

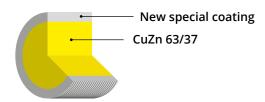
THERMO SWS®

THERMO A®



Stratified Wire ®

MONOPHASED α BRASS CORE. PATENTED γ PHASE COATING AND NEW SPECIAL COATING



THERMO SA^{†®} is highly recommended for EDM machines from GFMS AgieCharmilles.

THERMO SA^{†®} allows the combination of high machining speed (main cut: more than 5% compared to THERMO SA®) and a very clean finish along the cut surfaces (Ra = $0.05 \mu m$ in carbide).

High degree of cleanliness.

Next generation of EDM wire, THERMO SA^{+®} is particularly suited for carbide cutting.

USAGE RECOMMENDED











LATEST INNOVATION WITH A SPECIAL COATING FOR EXTREME PRECISION AND SPEED

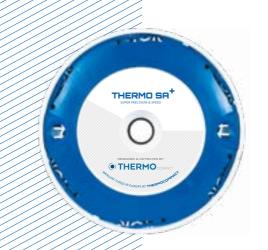


PATENT PENDING



CHARACTERISTICS

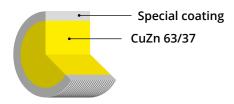
Core	Brass 63/37
Coating	γ Cu _s Zn ₈ and new special coating
Tensile Strength	900 N/mm ²
Elongation	2%
Conductibility	21% IACS



SPOOLS: **AVAILABLE SOON**



MONOPHASED α BRASS CORE. PATENTED γ PHASE COATING



THERMO SA® is a selected coating for excellent precision and surface finish. It is highly recommended for the latest generation of EDM machines from GFMS AgieCharmilles.

THERMO SA® has a special coating that allows high machining speed, and a very clean finish along the cut surfaces (Ra = $0.05 \mu m$ in carbide).

Combined to a powerful generator, THERMO SA® can reduce up to 20% the costs of machined parts.

Particularly suitable for extremely fine precision cuts and for steel or carbide cutting plates.

Highest stability and accuracy, excellent surface finish. Dedicated technology on GFMS Cut 2000 and Cut 3000 machines.

USAGE RECOMMENDED







CHARACTERISTICS

Core	Brass 63/37
Coating	γ Cu ₅ Zn ₈
Tensile Strength	900 N/mm ²
Elongation	2%
Conductibility	21% IACS



THE MARKET REFERENCE FOR SURFACE FINISH AND PRECISION



PATENT RELATED

EP 1 009 574 US 5 945 010

EP 1 949 995

US 8 338 735

CN ZL 2008 1 0009227.7

TW i350780

CN 101 234 442

JP 5 627 841

KR 10-0981035

THERMO S	A 900 / 500 / 400	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,07 mm 0.003"	900	•							
0,10 mm 0.004"	900	-							
0,127 mm 0.005"	900						•		
0,15 mm 0.006"	900						•		
0,20 mm 0.008"	900 / 500 / 400						•		
0,25 mm 0.010"	900 / 500 / 400					•	•		■
0,30 mm 0.012"	900 / 500 / 400			■					



MONOPHASED α BRASS CORE, PATENTED β + γ PHASE COATING

CHARACTERISTICS

Core	Brass 63/37
Coating	β CuZn and γ Cu $_5$ Zn $_8$
Tensile Strength	500 N/mm ²
Elongation	20%
Conductibility	25% IACS

Due to its special surface coating and its quality, **THERMO SA 500** combines a perfect surface finish and an excellent productivity in unfavorable machining conditions. **THERMO SA 500** is particularly suitable for tapered cuts up to 15°.

MONOPHASED α BRASS CORE, PATENTED β + γ PHASE COATING

CHARACTERISTICS

Core	Brass 63/37
Coating	β CuZn and γ Cu $_5$ Zn $_8$
Tensile Strength	400 N/mm ²
Elongation	30%
Conductibility	26% IACS

THERMO SA 400°, with its special surface coating and its quality, is particularly suitable for tapered cuts up to 45° with appropriate wire guides and software.

For the new generation of EDM machines,

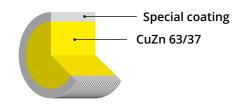
THERMO SA 400 sis a good alternative to
the THERMO SWW s, for more cleanliness
and precision.



THE PERFECT WIRE
FOR TAPERED CUTTING:
HIGH PRECISION AND CLEAN
FINISH, RECOMMENDED FOR
AGIE CUT200, CUT300 AND
CUT400 MACHINES







PATENT RELATED

EP 1 009 574

US 5 945 010

EP 1 949 995

US 8 338 735

CN ZL 2008 1 0009227.7

TW i350780

KR 10-1 653 551

USAGE RECOMMENDED

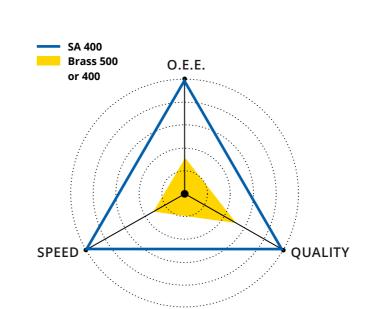




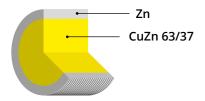


MANUFACTURED IN EUROPE
BY THERMOCOMPACT
MANUFACTURED IN EUROPE
CLICK HERE FOR
MORE INFORMATIONS





BRASS CORE. ZINC COATING



THERMO SWA® has an excellent straightness and a zinc coating of very high purity.

It obtains high geometric precision and a perfect finish of the machined parts.

THERMO SWA® is recommended for a large range of standard applications: manufacture of molds, cutting tools, mechanical works requiring extreme accuracy and excellent quality of surface cutting (Ra = $0.10 \mu m$ in steel).

THERMO SWA® has a low brass contamination of the part with reduced risk of corrosion in water dielectric, especially for H13 steel and tungsten carbide.

Highly proven reliability during machining, THERMO SWA® is suitable for automatic threading.

USAGE RECOMMENDED







CHARACTERISTICS

Core	Brass 63/37
Coating	Zinc
Tensile Strength	900 N/mm ²
Elongation	1.5%
Conductibility	22% IACS



THE REFERENCE FOR MACHINING WITH EXCELLENT SURFACE FINISH, REDUCED RISK OF CORROSION FOR THE PART



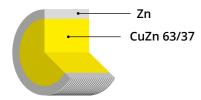
PATENT RELATED

EP 1 379 353 US 8 519 294

THERM	IO SWA	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,07 mm 0.003"	SW07A								
0,10 mm 0.004"	SW10A	•							
0,127 mm 0.005"	SW0127A			•					
0,15 mm 0.006"	SW015A		•	•			•		
0,20 mm 0.008"	SW20A			•				•	
0,25 mm 0.010"	SW25A		•	•	•	•	•	•	
0,30 mm 0.012"	SW30A								



BRASS CORE. ZINC COATING



THERMO SWS[®] has a high elongation coefficient, a zinc coating of very high purity and is suitable for automatic threading.

Due to its superior conductibility, **THERMO SWS**® is recommended for conical tapered cutting.

It obtains high precision in machining complex parts with an angle of more than 7° and below 15°. It provides excellent surface finish in unfavorable conditions.

homogeneity and high level of surface quality in all machining conditions.

USAGE RECOMMENDED





Its technical characteristics provide



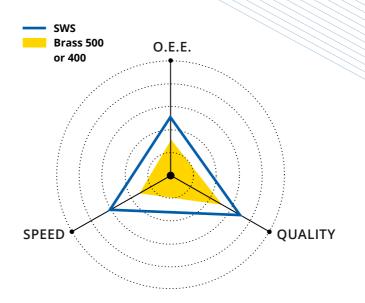


CHARACTERISTICS

Core	Brass 63/37
Coating	Zinc
Tensile Strength	450 N/mm ²
Elongation	15%
Conductibility	25% IACS



HOMOGENEITY, HIGH QUALITY, SUITABLE FOR TAPER CUTS OF ANGLES ABOVE 7° AND BELOW 15°



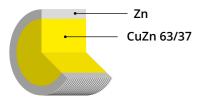
PATENT RELATED

EP 1 379 353 US 8 519 294

THERM	10 SWS	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	SW20A								
0,25 mm 0.010"	SW25A					•		•	
0,30 mm 0.012"	SW30A							•	



BRASS CORE, ZINC COATING



THERMO A® was developed to meet the highest demands of users wire EDM machines. It is suitable for almost all EDM machines.

THERMO A® offers a very competitive price without compromising performance on precision, surface quality and threading.

THERMO A[®] is recommended for a wide range of standard applications: manufacture of molds, cutting tools, mechanical works requiring extreme accuracy and excellent surface quality finish.

THERMO A[®] is a coated brass which provides a high performance with a very competitive price. THERMO A® obtains an exceptional surface finish: $Ra = 0.15 \mu m$.

USAGE RECOMMENDED







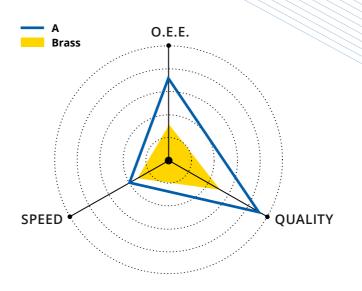


CHARACTERISTICS

Core	Brass 63/37
Coating	Zinc
Tensile Strength	900 N/mm ²
Elongation	1.5%
Conductibility	22% IACS



SELECTED COATING, VERY GOOD SURFACE FINISH AND ACCURACY



PATENT RELATED

EP 1 379 353 US 8 519 294

THER	RMO A	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	A20				•				
0,25 mm 0.010"	A25				•		•	•	
0,30 mm 0.012"	A30							•	



54 ALL PURPOSE





WIRES DEDICATED

THERMO brass 1000®

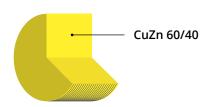
THERMO brass 900 ®

THERMO brass 500 ®

THERMO brass 400 ®

THERMO First 900 and 500 ®

THERMO brass 1000°



THERMO brass 1000 N/mm² is suitable for all EDM machines, and recommended for Japanese machines.

THERMO brass 1000 sis produced with a very pure alloy, and provides an excellent surface quality and an ongoing performance.

THERMO brass 1000 sis recommended for standard applications. It can produce high precision parts with excellent surface finish due to its very good geometry and its cleanliness.

Due to its specific alloy, THERMO brass 1000® is recommended in particular for Fanuc, Mitsubishi, Hitachi and Sodick type machines.

USAGE RECOMMENDED







CHARACTERISTICS

Brass 60/40
1050 N/mm ²
2.5%
22% IACS





PURE 60/40 ALLOY, HIGH SURFACE QUALITY, HIGH CLEANLINESS, HIGH PRECISION PARTS

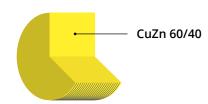
AVAILABILITY BY SPOOL TYPE AND DIAMETER

THERMO E	BRASS 1000	K100	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	TB 1000								
0,25 mm 0.010"	TB 1000			•					
0,30 mm 0.012"	TB 1000								

Other type of spools available only on special request.



TurboBrass®



Thermocompact has developed an innovative manufacturing process that allows us to offer our TurboBrass® wire with the following benefits:

- UNIVERSAL USAGE with WEDM Brass machining parameters
- UP TO 15% FASTER than conventional brass wire
- Good THREADING ABILITY
- Exceptional **CLEANLINESS**
- COMPETITIVE PRICE

TurboBrass® has confirmed its performance since 2015.

USAGE RECOMMENDED







CHARACTERISTICS

Core	Brass 60/40
Tensile Strength	900 MPa
Elongation	2.5%
Conductibility	22% IACS





AVAILABILITY BY SPOOL TYPE AND DIAMETER

TURBO	DBRASS	K100	T125	K160	K200	K250	JP5	JP10	JP15
0,20 mm 0.008"	ТВ								
0,25 mm 0.010"	ТВ			•	•	•			
0,30 mm 0.012"	ТВ							•	

Other type of spools available only on special request.

THERMO brass 900°

CHARACTERISTICS

Core	Brass 63/37 - Brass 60/40
Tensile Strength	900 N/mm ²
Elongation	1.5%
Conductibility	22% IACS

THERMO brass 900 N/mm² is suitable for all type of EDM machines.

THERMO brass 900 [®] is recommended for standard applications requiring extreme accuracy and a good surface finish.

USAGE RECOMMENDED







THERMO brass 500°

CHARACTERISTICS

Core	Brass 63/37
Tensile Strength	500 N/mm ²
Elongation	20%
Conductibility	25% IACS

THERMO brass 500 N/mm² is suitable for all type of EDM machines. It is recommended for standard applications for machining complex parts requiring high taper angle cutting of the wire up to 12°.

USAGE RECOMMENDED





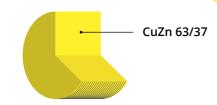








HIGH GRADE OF 63/37 ALLOY RECOMMENDED FOR ALL TYPE OF EDM MACHINES



THERMO brass 400°

CHARACTERISTICS

Core	Brass 63/37
Tensile Strength	450 N/mm ²
Elongation	25%
Conductibility	26% IACS

THERMO brass 400 * is suitable for all type of EDM machines.

THERMO brass 400 ® N/mm² is recommended for machining complex parts that require high taper angle cutting of the wire up to 20°.

USAGE RECOMMENDED





THERMO BRA	ASS 900 / 500 / 400	K100	T125	T160	T200	K250	K355	JP5	JP10	JP15
0,10 mm 0.004"	900	•								
0,15 mm 0.006"	900							•		
0,20 mm 0.008"	900, 500, 400									•
0,25 mm 0.010"	900, 500, 400					•		•		•
0,30 mm 0.012"	900, 500, 400									•



THERMO First 900°

CHARACTERISTICS

Core	Brass 63/37
Tensile Strength	900 N/mm ²
Elongation	1.5%
Conductibility	22% IACS

THERMO First 900 ® is developed with full automatic production process.



THERMO First 500°

CHARACTERISTICS

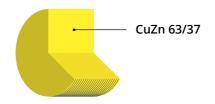
Core	Brass 63/37
Tensile Strength	500 N/mm ²
Elongation	1.5%
Conductibility	22% IACS

THERMO First 500 ® is developed with full automatic production process.





STANDARD BRASS WIRE. WITH A COMPETITIVE PRICE



THERMO First 900 8 and THERMO First 500® offer the benefits of a brass wire associating quality and competitive prices. They are recommended for standard applications.

USAGE RECOMMENDED







THERMO FII	RST 900 - 500	K100	T125	T160	T200	K250	K355	JP5	JP10	JP15
0,20 mm 0.008"	First 900 First 500			-						
0,25 mm 0.010"	First 900 First 500			•				•		
0,30 mm 0.012"	First 900 First 500			-						



64 ZINC FREE





WIRES DEDICATED

ZINC FREE 65

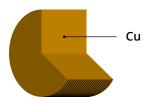
THERMO ZF®

THERMO ZF + ®

THERMO ZF sigma®

Zinc free Wire

PLAIN COPPER



THERMO ZF[®] is a new EDM wire, free of zinc. Recommended especially when no zinc deposit is mandatory.

The THERMO ZF® wire is an economically priced wire.

Convenient for all machining usage THERMO ZF® is particularly recommended for the cutting of nickel-based alloy.

USAGE RECOMMENDED





AVAILABILITY BY SPOOL TYPE AND DIAMETER

THER	MO ZF	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	ZF	•	•					
0,25 mm 0.010"	ZF	•	•					
0,30 mm 0.012"	ZF							

ZINC FREE EDM WIRE,

WITH EXCEPTIONAL

CONDUCTIBILITY

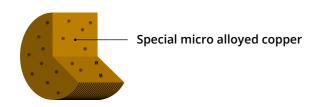
Material	Cu 100%
Tensile Strength	500N/mm ²
Elongation	1.4%
Conductibility	94% IACS





Zinc free Wire

SPECIAL MICRO ALLOYED COPPER



THERMO ZF^{+®} is a new EDM wire free of zinc with a special micro allied copper.

It offers a processing speed higher than THERMO ZF^{+®} and maintain its high tensile strength.

Its special micro allied copper allows THERMO ZF *® to obtain a high tensile strengt.

USAGE RECOMMENDED









ZINC FREE EDM WIRE WITH HIGH TENSILE

ITS SPECIAL ALLOY

STRENGTH THANKS TO

CHARACTERISTICS

Special micro alloyed copper
800N/mm ²
2.7%
72% IACS

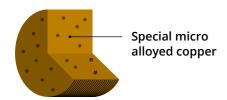


THERM	10 ZF+	T125	T160	T200	K250	JP5	JP10	JP15
0,20 mm 0.008"	ZF ⁺	•						
0,25 mm 0.010"	ZF+	•			•			
0,30 mm 0.012"	ZF+	•			•			



Zinc free Wire

SPECIAL MICRO ALLOYED COPPER



THERMO ZF sigma [®] is a new EDM wire without zinc, offering superior performances:

- high processing speed,
- **)** high conductibility.

The **THERMO ZF sigma** [®] is dedicated to aerospace production, particularly for nickel base alloys.

It is particularly recommended to improve the speed when cutting nickel based alloys and obtaining a straight part.

Non volatile elements during machining process.

USAGE RECOMMENDED



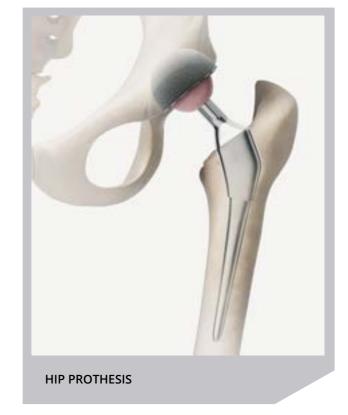












Material	Spécial micro alloyed copper
Tensile Strength	800N/mm ²
Elongation	3 to 6%
Conductibility	93% IACS





PLAN YOUR PRODUCTION

SPOOL MACHINING DURATION FOR 1 SPOOL

SPOOL TYPE		RE IETER		L WEIGHT POOL *		L LENGTH POOL *	10m/min 33 ft/min	12m/min 39,4 ft/min	15m/min 49,21ft/min	16m/min 52,5ft/min
	mm	inch	kg	lbs	m	ft	h	h	h	h
K100	0.07	0.003	1.8	4	58500	191929	98	81	65	61
	0.10	0.004	1.8	4	27000	88582	45	38	30	28
	0.127	0.005	1.8	4	16800	55118	28	23	19	18
	0.15	0.006	1.8	4	12000	39370	20	17	13	13
K125	0.10	0.004	4	8.8	60000	196850	100	83	67	63
T125	0.127	0.005	4	8.8	37300	122375	62	52	41	39
	0.15	0.006	4	8.8	26700	87598	45	37	30	28
	0.20	0.008	4	8.8	14900	48884	25	21	17	16
	0.25	0.01	4	8.8	9600	31496	16	13	11	10
	0.30	0.012	4	8.8	6600	21653	11	9	7	7
K160	0.127	0.005	8	17.6	74600	244750	124	104	83	78
T160	0.15	0.006	8	17.6	53400	175196	89	74	59	56
	0.20	0.008	8	17.6	29900	98097	50	42	33	31
	0.25	0.01	8	17.6	19200	62992	32	27	21	20
	0.30	0.012	8	17.6	13200	43307	22	18	15	14
	0.33	0.013	8	17.6	10700	35105	18	15	12	11
K200	0.20	0.008	16	35.2	59800	196194	100	83	66	62
T200	0.25	0.01	16	35.2	38400	125984	64	53	43	40
	0.30	0.012	16	35.2	26500	86942	44	37	29	28
	0.33	0.013	16	35.2	21400	70210	36	30	24	22
K250	0.25	0.01	25	55	60000	196850	100	83	67	63
	0.30	0.012	25	55	41400	135826	69	58	46	43
	0.33	0.013	25	55	33400	109580	56	46	37	35
K355	0.25	0.01	45	99	106000	347768	177	147	118	110
	0.30	0.012	45	99	73500	241141	123	102	82	77
	0.33	0.013	45	99	60700	199146	101	84	67	63

STANDARD DIN

SPOOL MACHINING DURATION FOR 1 SPOOL

			3FOOL					OOL MACHINING DONATION TON TSFOOL				
OOL WIRE PE DIAMETER		NOMINAL WEIGHT PER SPOOL *		NOMINAL LENGTH PER SPOOL *		10m/min 33 ft/min	12m/min 39,4 ft/min	15m/min 49,21ft/min	16m/min 52,5ft/min			
mm	inch	kg	lbs	m	ft	h	h	h	h			
0.10	0.004	5	11	75000	246062	125	104	83	78			
0.13	0.005	5	11	46700	153215	78	65	52	49			
0.15	0.006	5	11	33500	109908	56	47	37	35			
0.20	0.008	5	11	18700	61352	31	26	21	19			
0.25	0.01	5	11	12000	39370	20	17	13	13			
0.30	0.012	5	11	8300	27231	14	12	9	9			
0.20	0.008	10	22	37500	123031	63	52	42	39			
0.25	0.01	10	22	24000	78740	40	33	27	25			
0.30	0.012	10	22	16600	54462	28	23	18	17			
0.20	0.008	20	44	74800	245406	125	104	83	78			
0.25	0.01	20	44	48000	157480	80	67	53	50			
0.30	0.012	20	44	33100	108595	55	46	37	34			
0.33	0.013	20	44	26500	86942	44	37	29	28			
	DIAM mm 0.10 0.13 0.15 0.20 0.25 0.30 0.20 0.25 0.30 0.20 0.25 0.30	mm inch 0.10 0.004 0.13 0.005 0.15 0.006 0.20 0.008 0.25 0.01 0.30 0.012 0.25 0.01 0.30 0.012 0.25 0.01 0.30 0.012 0.20 0.008 0.25 0.01 0.30 0.012 0.30 0.012	DIAMETER PER SP mm inch kg 0.10 0.004 5 0.13 0.005 5 0.15 0.006 5 0.20 0.008 5 0.25 0.01 5 0.30 0.012 5 0.20 0.008 10 0.25 0.01 10 0.30 0.012 10 0.20 0.008 20 0.25 0.01 20 0.30 0.012 20	DIAMETER PER SPOOL * mm inch kg lbs 0.10 0.004 5 11 0.13 0.005 5 11 0.15 0.006 5 11 0.20 0.008 5 11 0.25 0.01 5 11 0.30 0.012 5 11 0.20 0.008 10 22 0.25 0.01 10 22 0.30 0.012 10 22 0.20 0.008 20 44 0.25 0.01 20 44 0.30 0.012 20 44	DIAMETER PER SPOOL * PER SI mm inch kg lbs m 0.10 0.004 5 11 75000 0.13 0.005 5 11 46700 0.15 0.006 5 11 33500 0.20 0.008 5 11 18700 0.25 0.01 5 11 8300 0.20 0.008 10 22 37500 0.20 0.008 10 22 24000 0.30 0.012 10 22 16600 0.20 0.008 20 44 74800 0.25 0.01 20 44 48000 0.30 0.012 20 44 33100	DIAMETER PER SPOOL * PER SPOOL * mm inch kg lbs m ft 0.10 0.004 5 11 75000 246062 0.13 0.005 5 11 46700 153215 0.15 0.006 5 11 33500 109908 0.20 0.008 5 11 18700 61352 0.25 0.01 5 11 12000 39370 0.30 0.012 5 11 8300 27231 0.20 0.008 10 22 37500 123031 0.25 0.01 10 22 24000 78740 0.30 0.012 10 22 16600 54462 0.20 0.008 20 44 74800 245406 0.25 0.01 20 44 48000 157480 0.30 0.012 20 44 33100 108595 <td>WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min mm inch inch inch kg lbs m ft h 0.10 0.004 5 11 75000 246062 125 0.13 0.005 5 11 46700 153215 78 0.15 0.006 5 11 33500 109908 56 0.20 0.008 5 11 18700 61352 31 0.25 0.01 5 11 12000 39370 20 0.30 0.012 5 11 8300 27231 14 0.20 0.008 10 22 37500 123031 63 0.25 0.01 10 22 24000 78740 40 0.30 0.012 10 22 16600 54462 28 0.20 0.008 20 44 74800 245406 125</td> <td>WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min 12m/min 39,4 ft/min mm inch kg lbs m ft h h 0.10 0.004 5 11 75000 246062 125 104 0.13 0.005 5 11 46700 153215 78 65 0.15 0.006 5 11 33500 109908 56 47 0.20 0.008 5 11 12000 39370 20 17 0.30 0.012 5 11 8300 27231 14 12 0.20 0.008 10 22 37500 123031 63 52 0.25 0.01 10 22 24000 78740 40 33 0.30 0.012 10 22 16600 54462 28 23 0.20 0.008 20 44 74800 245406<</td> <td>WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min 12m/min 39,4 ft/min 15m/min 49,21ft/min mm inch kg lbs m ft h h h 0.10 0.004 5 11 75000 246062 125 104 83 0.13 0.005 5 11 46700 153215 78 65 52 0.15 0.006 5 11 18700 61352 31 26 21 0.20 0.008 5 11 12000 39370 20 17 13 0.30 0.012 5 11 8300 27231 14 12 9 0.20 0.008 10 22 37500 123031 63 52 42 0.25 0.01 10 22 24000 78740 40 33 27 0.30 0.012 10 22 16600 544</td>	WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min mm inch inch inch kg lbs m ft h 0.10 0.004 5 11 75000 246062 125 0.13 0.005 5 11 46700 153215 78 0.15 0.006 5 11 33500 109908 56 0.20 0.008 5 11 18700 61352 31 0.25 0.01 5 11 12000 39370 20 0.30 0.012 5 11 8300 27231 14 0.20 0.008 10 22 37500 123031 63 0.25 0.01 10 22 24000 78740 40 0.30 0.012 10 22 16600 54462 28 0.20 0.008 20 44 74800 245406 125	WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min 12m/min 39,4 ft/min mm inch kg lbs m ft h h 0.10 0.004 5 11 75000 246062 125 104 0.13 0.005 5 11 46700 153215 78 65 0.15 0.006 5 11 33500 109908 56 47 0.20 0.008 5 11 12000 39370 20 17 0.30 0.012 5 11 8300 27231 14 12 0.20 0.008 10 22 37500 123031 63 52 0.25 0.01 10 22 24000 78740 40 33 0.30 0.012 10 22 16600 54462 28 23 0.20 0.008 20 44 74800 245406<	WIRE DIAMETER NOMINAL WEIGHT PER SPOOL * NOMINAL LENGTH PER SPOOL * 10m/min 33 ft/min 12m/min 39,4 ft/min 15m/min 49,21ft/min mm inch kg lbs m ft h h h 0.10 0.004 5 11 75000 246062 125 104 83 0.13 0.005 5 11 46700 153215 78 65 52 0.15 0.006 5 11 18700 61352 31 26 21 0.20 0.008 5 11 12000 39370 20 17 13 0.30 0.012 5 11 8300 27231 14 12 9 0.20 0.008 10 22 37500 123031 63 52 42 0.25 0.01 10 22 24000 78740 40 33 27 0.30 0.012 10 22 16600 544			

^{*} Average weight and length



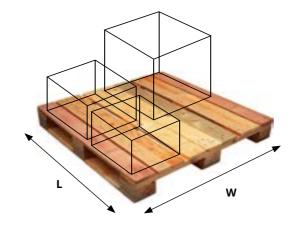
DATA FOR PLANNING YOUR DEMAND AND STORAGE

SPOOL TYPE	SPOOL WEIGHT	SPOOLS PER PALLET	SPOOLS PER BOX	WEIGHT PER BOX	BOXES PER LAYER NUMBER OF LAYER	NET WEIGHT PER PALLET
K100	1,8 Kg 4 Lbs	diam 0,07 / 0,10 36	4 (with individual pre packaging in box)	7,2 Kg 16 Lbs	6 boxes 1 layer + 3 boxes	64,8 kg 144 lbs
	2 Kg 4,4 Lbs	diam 0,10 24	2 (with individual pre packaging in box)	8kg 8,8 lbs	6 boxes 2 layers	96 kg 140.8 lbs
K125		diam 0,10 0,127 / 0,15	1	4kg 8,8 lbs	24 boxes 2 layers	192 kg
T125	4 Kg 8,8 Lbs	48	2 (with individual pre packaging in box)	8kg 17,6 lbs	10 boxes 2 layers + 4 boxes	423.3 lbs
		diam 0,20 / 0,25 / 0,30 96	4	16kg 32,2 lbs	6 boxes 4 layers	384 kg 844.8 lbs
K160	K160 8 Kg T160 17,6 Lbs	diam 0,15 30 (half pallet)	2	35,2 lbs	10 boxes. 1 layer + 5 boxes	240 kg 528 lbs
T160		diam 0,20 / 0,25 / 0,30 / 0,33 60	2	16kg	10 boxes 3 layers	480 kg 1056 lbs
K200 T200	16 Kg 35,2 Lbs	24	1	16 Kg 35,2 Lbs	12 boxes 2 layers	384 kg 844.8 lbs
K250	25 Kg 55 Lbs	18	1	25 kg 55 lbs	9 boxes 2 layers	450 kg 990 lbs
K355	45Kg 99 Lbs	6	1	45kg 99 lbs	6 box 1 layer	270 kg 594 lbs
IDE	5 Kg	diam 0,15 48	4	20 kg	6 boxes 2 layers	240 kg 528 lbs
JP5	11 Lbs	96	4	44 lbs	6 boxes 4 layers	480 kg 1056 lbs
JP10	10 Kg 22 Lbs	36	2	20 kg 44 lbs	6 boxes 3 layers	360 kg 792 lbs
JP15	20 Kg 44 Lbs	24	1	20 kg 44 lbs	12 boxes 2 layers	480 kg 1056 lbs

PALLET DIMENSIONS

PALLET TYPE	LENGTH (L)	WIDTH (W)
EU (European pallet, no	120 cm	80 cm
consigned)	47,2 in	31,5 in
North America (US pallets, no	111 cm	79 cm
wooden crates). IPP certified	43,7 in	31,1 in
Asia (wooden crates)	112 cm	79 cm
IPP certified	44,1 in	31,1 in

Maximum weight per pallet: 700 kg



TECSPOOL®

ANTI ROTATION SYSTEM PATENTED BY THERMOCOMPACT



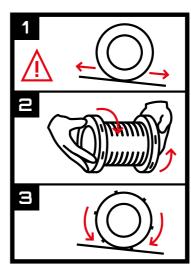
FOR A BETTER **STORAGE** AND **HANDLING**

AVAILABLE FOR **T125**, **T160** ET **T200** EDM WIRE SPOOLS

ON STANDARD **DIN** SIZES

WAY OF FUNCTIONING

One manual rotation of the side flange is enough to free the lock bolts of the spool.



TECSPOOL® BENEFITS

- Spool is stopped in horizontal position
- **>** Stability guaranteed on incline surface up to 30% slope.
- TecSpool® avoids wire tangles of the outer layer
- **>** Easy storage display
- > Flanges are made with recycled material



SPOOLS STORAGE RECOMMENDATIONS



STORAGE HORIZONTALLY, IN ITS PACKAGING



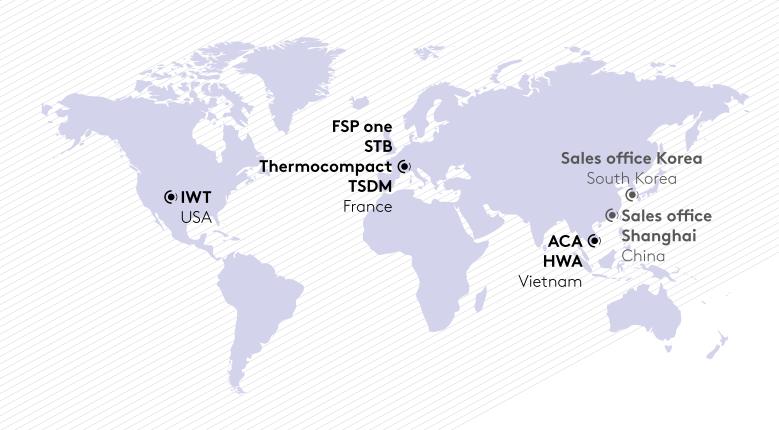
KEEP DRY, DO NOT OPEN THE PACKAGING BEFORE USE



WIRE TO BE USED WITHIN 18 MONTHS



WHERE TO FIND US



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