Alloys Catalogue



metalordental®

VALUE FOR DENTAL PROFESSIONALS

CONTENT

V-GNATHOS® PF

Yellow, palladium-free, silver-free and copper-free, hard

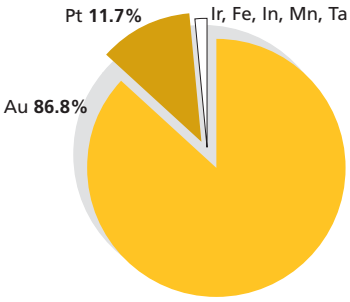
V-Gnathos PF is the ideal alloy for esthetic single crowns. With its optimal balance between colour, hardness and melting range. It is easy to work with. It provides an esthetic yellow base for the application of porcelains.

CTE 14.6 / 14.9 19^{-6}K^{-1}

Recommended solders
before bonding: VS 1 GPF / VS 1 Plus
after bonding: Vacu PF

Ordering information

200004784	25 g casting ingots
400003101	5 laser wires ø 0.3 mm



V-GNATHOS® SUPRA

Yellow, palladium-free, silver-free and copper-free, extra hard

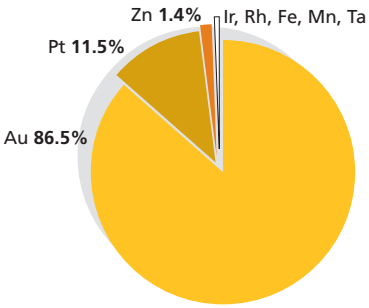
V-Gnathos Supra is compatible with almost all high fusing ceramics, it combines a superior esthetics with an improved polishing property. V-Gnathos Supra is a guarantee for optimal patient safety.

CTE 14.3 / 14.5 10^{-6}K^{-1}

Recommended solders
before bonding: VS 1 Plus
after bonding: Vacu PF

Ordering information

200004855	25 g casting ingots
400003446	5 laser wires ø 0.3 mm



V-GNATHOS® PLUS

Yellow, palladium-free, silver-free and copper-free, extra hard

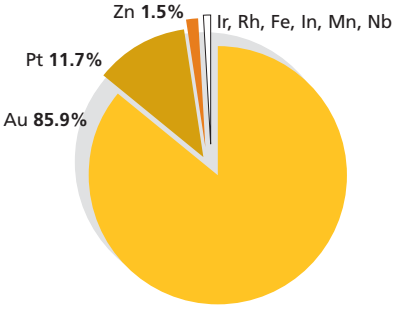
The leading high gold bonding alloy. V-Gnathos Plus combines high hardness and high esthetic results for single crowns and short span bridges. It is unsurpassed in its biocompatibility.

CTE 14.3 / 14.6 10^{-6}K^{-1}

Recommended solders
before bonding: VS 1 Plus
after bonding: Vacu PF

Ordering information

200004811	25 g casting ingots
400003102	5 laser wires ø 0.3 mm

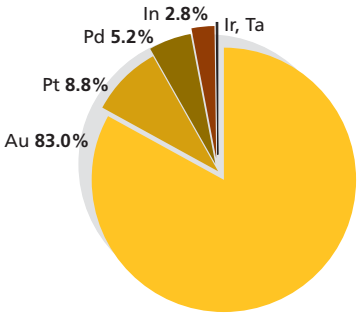


V-SURPAGOLD

Light yellow, silver-free and copper-free, extra hard

V-Supragold is the modern alloy for long span bridges.

CTE 14.3 / 4.6 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 GPF
after bonding: Vacu PF

Ordering information

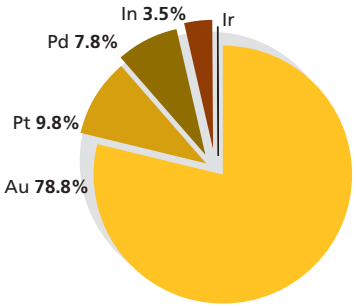
200004825	25 g casting ingots
400003159	5 laser wires ø 0.3 mm

V 92

Light yellow, silver-free and copper-free, extra hard

Its melting range makes it easy to cast. V 92 is suitable for long span bridges, and has only one non-precious component. V 92 is an excellent milling alloy.

CTE 14.0 / 14.2 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 GPF
after bonding: Vacu PF

Ordering information

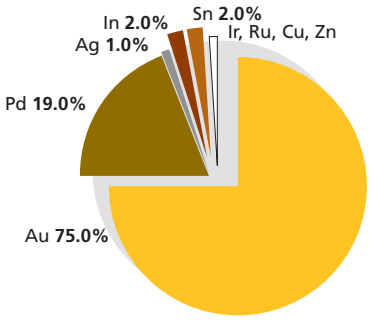
200004777	25 g casting ingots
400003110	5 laser wires ø 0.3 mm

V-CLASSIC

White, extra hard

V-Classic is the alloy of choice for use with attachments and precision milling. It is easy to solder and easy to polish. V-Classic has excellent thermal stability, high hardness and sag resistance.

CTE 14.1 / 14.4 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

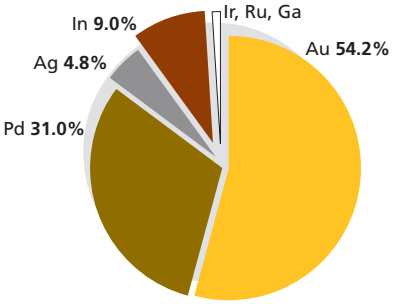
200004770	25 g casting ingots
400003106	5 laser wires ø 0.3 mm

V-DELTALOY

White, copper-free, extra hard

V-Deltaloy has a light oxidation colour and is easy to solder. Its wide range of indications makes V-Deltaloy a multi purpose alloy.

CTE 14.3 / 14.5 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

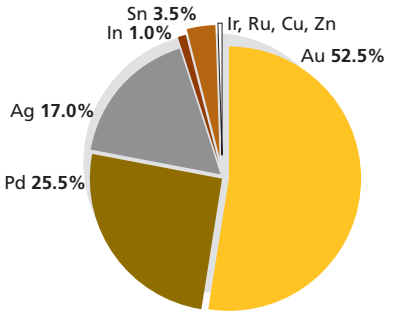
200004807	25 g casting ingots
400003123	5 laser wires ø 0.3 mm

V-DELTA® SPECIAL

White, extra hard

V-Delta Special is an economical alloy due to a reduced content of palladium.

CTE 14.5 / 14.7 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

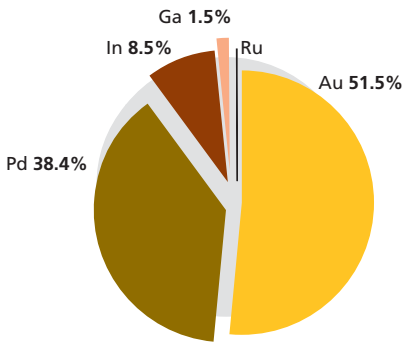
200004832	25 g casting ingots
400003165	5 laser wires ø 0.3 mm

V-DELTA® SF

White, silver-free and copper-free, extra hard

V-Delta SF is is versatile with excellent working, soldering and polishing properties. Its high hardness and high thermal stability make V-Delta SF a superb alloy for long span bridges.

CTE 13.8 / 14.1 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

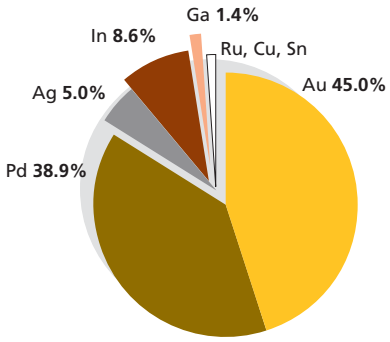
200004747	25 g casting ingots
400003111	5 laser wires ø 0.3 mm

V-DELTA® 450

White, extra hard

V-Delta 450 delivers excellent value and all-round performance.

CTE 14.0 / 14.2 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A
after bonding: Vacu PF

Ordering information

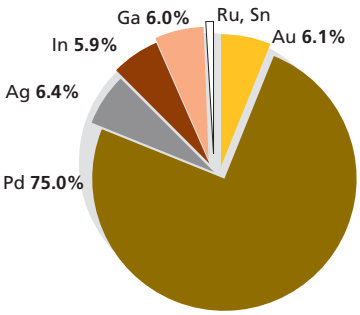
200004815	25 g casting ingots
400003161	5 laser wires ø 0.3 mm

CERAPALL® 6

White, copper-free, extra hard

Cerapall 6 has excellent thermal stability and is highly recommended for long span bridges. It is easy to cast and polish.

CTE 13.8 / 14.1 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

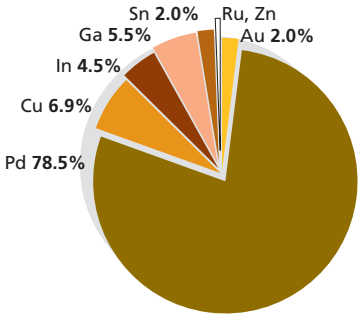
200004790	25 g casting ingots
400003112	5 laser wires ø 0.3 mm

CERAPALL® 2

White, silver-free, extra hard

Cerapall 2 is known for its precise, trouble-free castings. It has uniquely fine and uniform grain structure which gives unmatched stability and accuracy in handling ultra thin margins. Cerapall 2 has excellent mechanical properties and is easy to polish.

CTE 13.7 / 14.2 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information

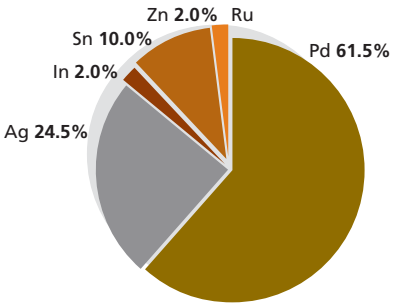
200004763	25 g casting ingots
400003113	5 laser wires ø 0.3 mm

CERADELTA® 2

White, copper-free, extra hard

Ceradelta 2 is an excellent all-round alloy. It is easy to cast, has a light oxide colour and is easy to pre- or post-solder. It has a very high hardness.

CTE 14.5 / 14.9 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A
after bonding: Vacu PF

Ordering information

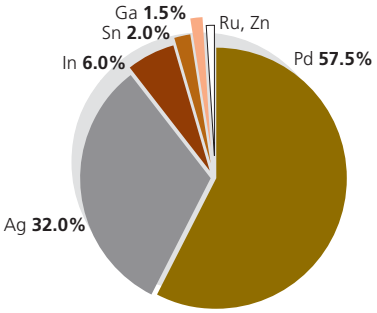
200004793	25 g casting ingots
400007057	5 laser wires ø 0.3 mm

CERADELTA®

White, copper-free, extra hard

Ceradelta is an alloy for long span bridges and partial cast dental frames with excellet properties for milling. It has good thermal stability and a light oxide colour.

CTE 15.1 / 15.3 $10^{-6}K^{-1}$



Recommended solders
before bonding: VS 1 A
after bonding: Vacu PF

Ordering information

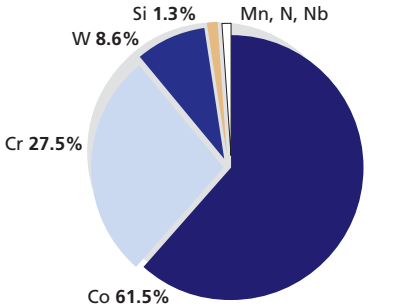
200004761	25 g casting ingots

METALLOY CC

White, extra hard

Metalloy CC has a low coefficient of thermal expansion. This ensures superb metal/ceramic bond behaviour and enables easy and extremely effective porcelain veneering. Metalloy CC also offers excellent laser welding ability since it is carbon free, and time is saved by the fact that oxide firing is not required.

CTE 14.0 $10^{-6}K^{-1}$



Recommended solders
before bonding: Meta CC S1
after bonding: Meta CC S2

Ordering information

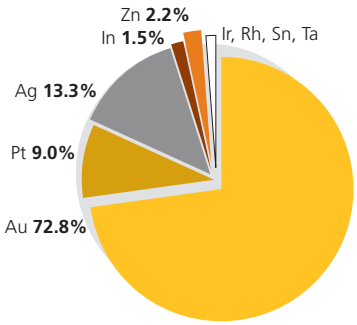
300005930	1000 g
300005931	500 g
300005932	100 g

AUROFLUID® PLUS

Yellow, palladium-free and copper-free, type IV, extra hard

Aurofluid Plus an outstanding high gold casting alloy with excellent casting, working and polishing properties. Especially designed for low fusing ceramics with high expansion, and has a low oxide formation.

CTE 15.8 / 16.2 $10^{-6}K^{-1}$



Recommended solders
before bonding: Standard LFC 1 / Standard S 2

Ordering information

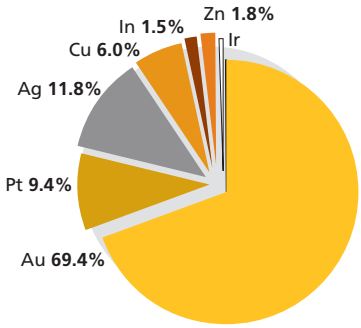
200004848	25 g casting ingots
400004405	5 laser wires ø 0.3 mm

PONTOR® LFC

Yellow, palladium-free, type IV, extra hard

Pontor LFC was developed as an universal alloy for conventional crowns and bridges with low fusing, high expansion ceramics.

CTE 16.7 / 17.0 $10^{-6}K^{-1}$



Recommended solders
before bonding: Standard LFC 1 / Standard S 2
after bonding: Vacu 2

Ordering information

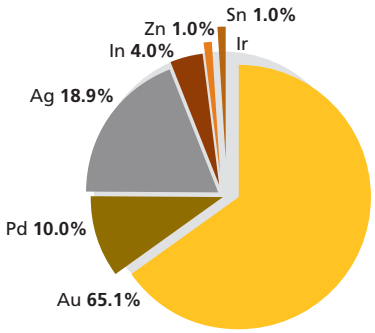
200004796	25 g casting ingots
400003145	5 laser wires ø 0.3 mm

PONTOR® 4CF

Light yellow, copper-free, type IV, extra hard

Pontor 4 CF is suitable for crowns, long span bridges, precision milling, partial dentures and low fusing ceramics. Pontor 4 CF is recommended for telescopic crowns.

CTE 16.2 / 16.8 $10^{-6}K^{-1}$



Recommended solders
before bonding: Standard LFC 1 / Standard S 2
after bonding: Vacu 2

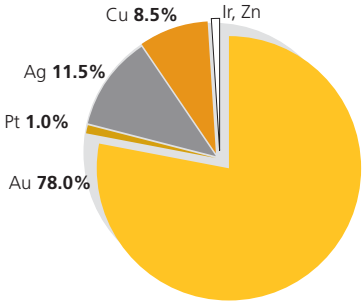
Ordering information

200004773	25 g casting ingots

AUROFLUID® 2PF

Yellow, palladium-free, type III, hard

Aurofluid 2 PF possesses a rich yellow colour. It has excellent finishing properties and polishes very easily. Aurofluid 2 PF is the classical inlay alloy and is also suitable for crowns and short span bridges.



Recommended solders
Vacu-PF / Standard S 2 / Standard S 4 PF

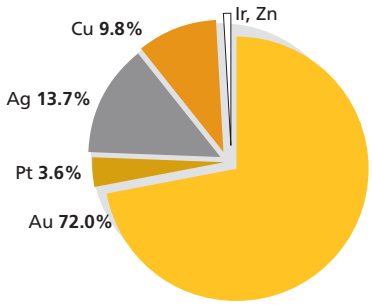
Ordering information

200004803	25 g casting ingots
400003154	5 laser wires ø 0.3 mm

PONTOR® MPF

Yellow, palladium-free, type IV, extra hard

Pontor MPF possesses a deep yellow colour. It is suitable for a variety of applications, including crowns, bridges, inlays and partial dentures. It has excellent mechanical properties.



Recommended solders
Vacu-PF / Standard S 3 / Standard S 4 PF

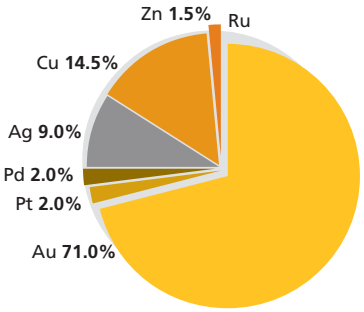
Ordering information

200004781	25 g casting ingots
400003103	5 laser wires ø 0.3 mm

AUROFLUID® 3

Yellow, type IV, extra hard

Aurofluid 3 is a conventional alloy with a yellow-reddish colour. It is suitable for inlays, crowns and bridges, milling work and cast partial denture-frameworks.



Recommended solders
Standard S 2 / Standard S 3 / Standard S 4 PF

Ordering information

200004733	25 g casting ingots
400003147	5 laser wires ø 0.3 mm

PONTOR® 2

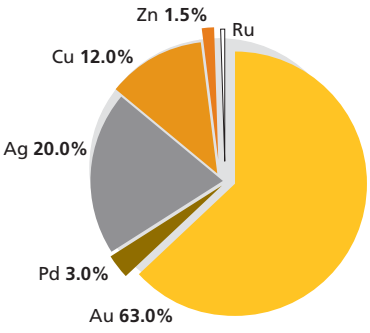
Yellow, extra hard

Pontor 2 is an extra hard, medium gold content casting alloy. It handles beautifully and is recommended for crowns and long span bridges and precision milling works.

Recommended solders
Standard S 2 / Standard S 3 / Standard S 4 PF

Ordering information

200004758	25 g casting ingots
400003130	5 laser wires ø 0.3 mm



SOLARO® 3

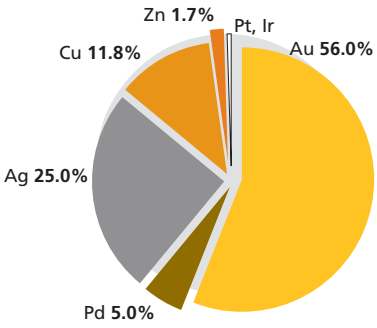
Yellow, type IV, extra hard

Solaro 3 is an economical casting alloy with a yellow colour. It is suitable for long span bridges and milling works.

Recommended solders
Standard S 2 / Standard S 3 / Standard S 4 PF

Ordering information

200004736	25 g casting ingots
400003144	5 laser wires ø 0.3 mm



YELLOW SPECIAL

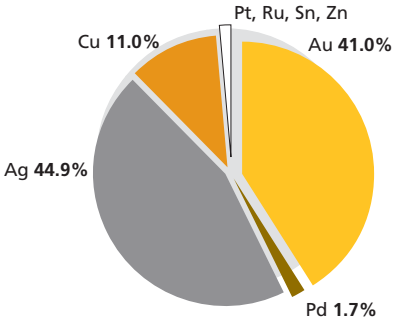
Light yellow, extra hard

Yellow Special is an economical alternative to high gold casting alloys. It provides excellent casting properties combined with ease of use and brings a yellow esthetic colour to the restorations.

Recommended solders
Standard S 3 / Standard S 4 PF / Standard S 31

Ordering information

200004844	25 g casting ingots



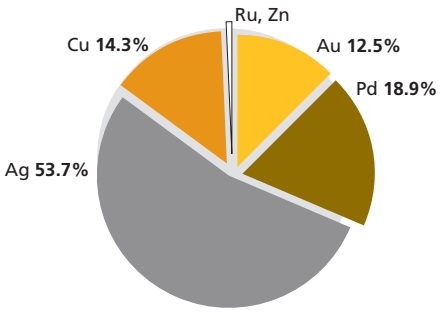
PAGALINOR® 2

White, hard

Pagalinor 2 is a white, hard casting alloy. It is suitable for inlays, crowns and short span bridges.

Recommended solders
Pagasol S 1 / Standard S 31

Ordering information
200004741 25 g casting ingots



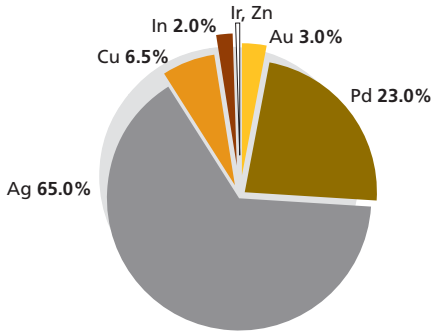
PAGALIN® 2

White, hard

Pagalin 2 is an economical alloy due to its composition and its low density. It is suitable for inlays, crowns and short span bridges.

Recommended solders
Pagasol S 1 / Standard S 31

Ordering information
200004742 25 g casting ingots



IMPLANTALLOY 1

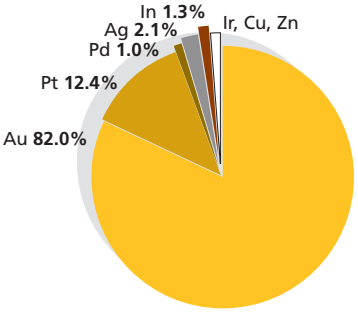
Yellow, extra hard

The rich golden colour of Implantallloy 1 assists in underlying all ceramic restorations with a correct hue. The light oxide layer enables excellent aesthetics even in situation with reduced space. Implantalloy 1 is recommended for all single crowns and three unit bridges in the anterior region.

CTE 13.8 / 14.1 $10^{-6}K^{-1}$

Recommended solders
before bonding: VS 1 Plus
after bonding: Vacu PF

Ordering information
200016502 25 g casting ingots



IMPLANTALLOY 2

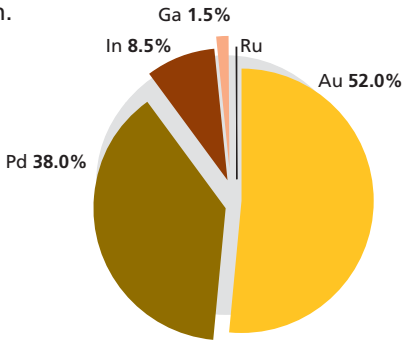
White, silver-free and copper-free, extra hard

The greatest emphasis was placed on the thermal stability for this silver-free and copper-free bonding alloy. Implantalloy 2 with its exceptionally high thermal stability shows excellent galvanic corrosion resistance behaviour when in contact with titanium.

CTE 13.8 / 14.1 $10^{-6}K^{-1}$

Recommended solders
before bonding: VS 1 A / VS 1 C
after bonding: Vacu PF

Ordering information
200016503 25 g casting ingots



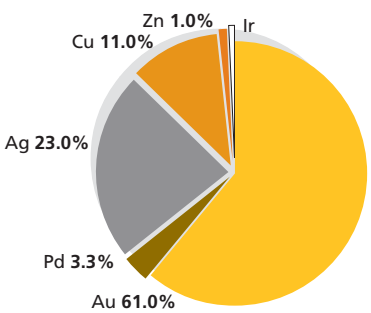
IMPLANTALLOY 3

Yellow, type IV, extra hard

With a Vickers hardness of 280 Implantalloy 3 is specially designed to offer ideal milling qualities. Despite its hardness Implantalloy 3 can be finished easily to the exacting standards required of all implant prosthetics.

Recommended solders
Standard S 2 / Standard S 3 / Standard S 4 PF

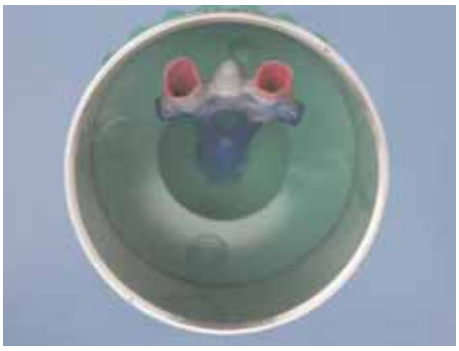
Ordering information
200016504 25 g casting ingots



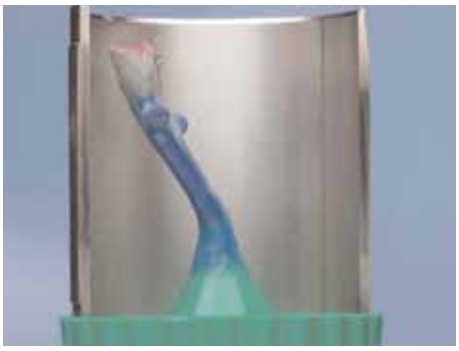
CASTING

Precise casting of larger suprastructures is best achieved with indirect casting. We therefore recommend a transverse sprue of ø 5mm, main feeder sprues of ø 4mm and connectors of ø 3mm; the connectors should be no longer than 4 mm.

Narrowing sprues in the contact area of the wax pattern encourages premature solidification in this area. This can lead to porosity within the casting, known as 'suck back' porosity.



Place the casting objects as far away as possible from the thermal centre of the ring and position them towards the outside to help directional freezing during casting.



The function of the casting reservoir is to supply the wax copings with liquid alloy during solidification. The casting reservoir should be placed as close to the thermal centre of the muffle as possible.

The quantity of alloy required to produce a perfect casting is calculated by weighing the waxed up copings, sprues and multiplying this by the specific gravity (density) of the alloy.

Preheating the casting crucible beforehand in the burnout furnace will reduce casting time and helps avoid overheating of the alloy.

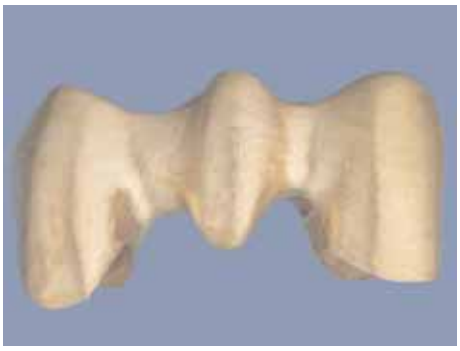
The melting and casting of the alloy is one of the most critical stages. Take particular care to adjust the flame in the proper manner in order to achieve a perfect result. Keep the flame on the alloy constantly throughout the entire melting procedure. This provides additional protection for the alloy against oxidation.

Before commencing the melting procedure add a pinch of flux to the alloy. This addition of flux prevents oxidation of vital elements during melting.

SURFACE PREPARING

Prior to inspection of the fittings, remove any possible inclusions or flash under a binocular microscope.

The metal work is prepared in the usual manner. We recommend the use of tungsten carbide burs.
Use only clean tungsten carbide burs.
The use of 4 – 5 different tungsten carbide burs in shape and design is sufficient.

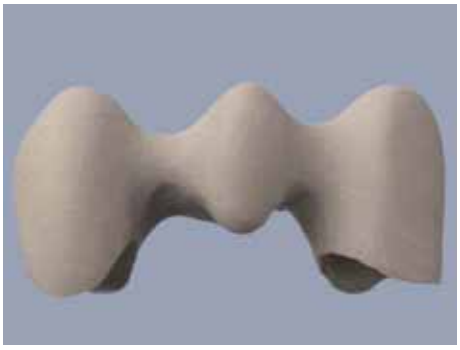


Finally, go over the metal work with a corundum stone at a maximum speed of 10,000 rpm.

Excessive pressure must be avoided at all times. Excessive pressure may damage the working parts of rotary instruments.

Use Cerasiv Brown grinding tips for high and medium gold bonding alloys and Cerasiv Blue for palladium based and non-precious bonding alloys.

Important: inspect the wall thickness of the metal work.



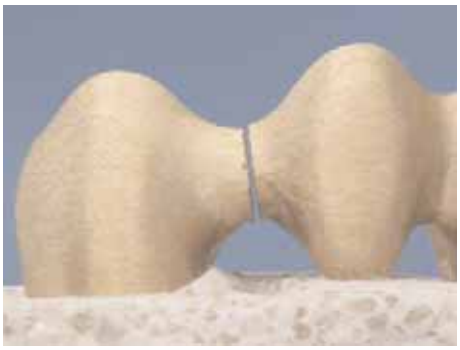
After final trimming of the metal work with a new corundum stone, oxidation may be carried out either directly, or the surface may be sandblasted prior to oxidation. Note that the copings must be cleaned by using ultrasound or a steam cleaner prior to oxidation.

The effect of sandblasting becomes visible after oxidation in the form of a more regular oxidation colour. The sandblasting procedure does not improve the adhesion of the opaque, as a rule.

SOLDERING

The area to be soldered should be flat and a minimum area of 6mm^2.

Use a rubber wheel to lightly polish the surface to be soldered.



The design of the solder block is a compromise between minimising its thermal mass whilst retaining sufficient strength to avoid its fracturing during soldering. Leave a parallel gap of 0.1 – 0.2 mm between surfaces to be soldered and sufficient area to ensure adequate strength of the joint.

Use a suitable instrument and apply the solder paste to the cold surfaces to be soldered as well as to the solder.

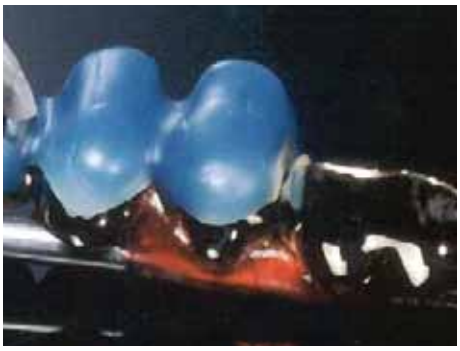
Heat the solder block to working temperature (approx. liquidus point of the solder).

Apply the solder at working temperature.

Should repeat applications of solder be necessary, only dip the solder into the solder paste. Do not apply more solder paste to the metalwork.

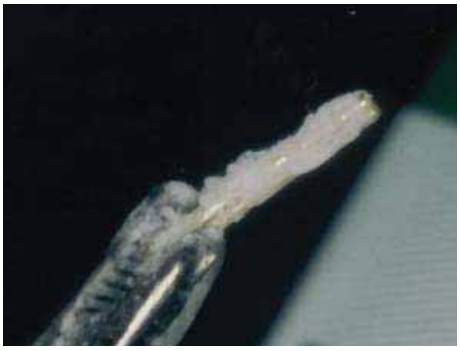
SOLDERING

Allow the solder block to bench cool.



Protect the ceramic with wax prior to contact with the soldering investment, for post bond soldering.

Keep the solder block as small as possible to ensure rapid and even heating.
After steam cleaning, a flux is applied to the area to be soldered.

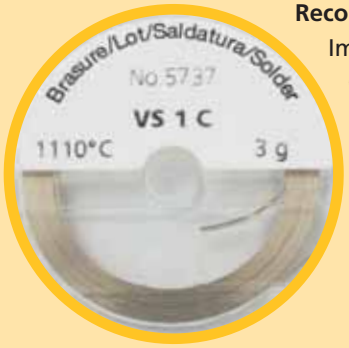


Dip the solder rods in the solder flux and crystallize them over the Bunsen burner. This minimises oxide formation on the solder and helps the soldering procedure.

After soldering in the furnace, remove the investment under running water. The oxide layer is removed using an etching agent. Trim the soldering areas with an abrasive rubber polishing wheel and give the restoration a final polish.

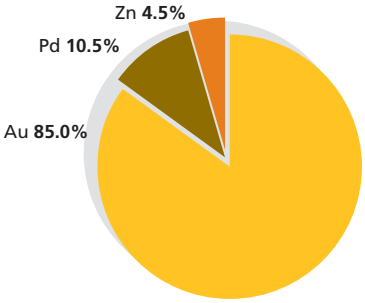
VS 1 C

White, silver-free and copper-free



Recommended solder for:
Implantalloy 2, V-Classic, V-Delta SF, V-Delta Special, V-Deltaloy
Cerapall 6, Cerapall 2

Working temperature: 1110°C
Melting range: 1030 - 1110°C

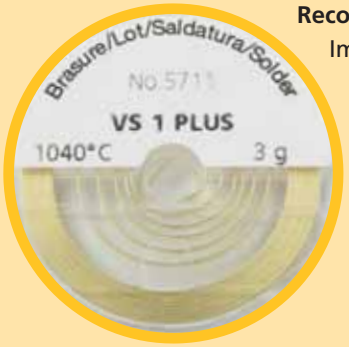


Ordering information

200004606	Ribbon on reel 3.0 g
400003134	Pack of 3 wires

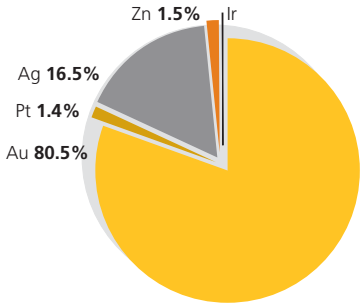
VS 1 PLUS

Yellow, palladium-free and copper-free



Recommended solder for:
Implantalloy 1, V-Gnathos PF, V-Gnathos Plus, V-Gnathos Supra

Working temperature: 1040°C
Melting range: 980 - 1040°C

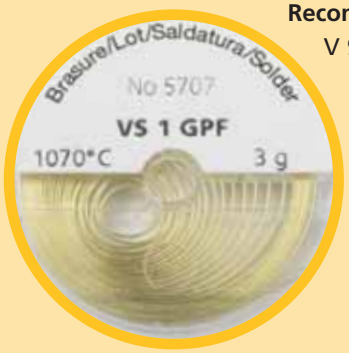


Ordering information

200004610	Ribbon on reel 3.0 g
400003131	Pack of 3 wires

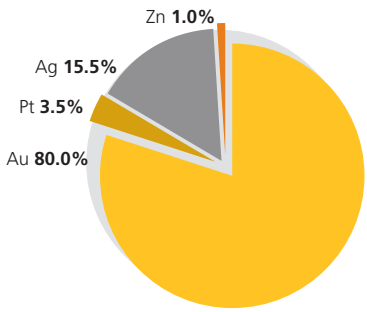
VS 1 GPF

Yellow, palladium-free and copper-free



Recommended solder for:
V 92, V-Gnathos PF, V-Supragold

Working temperature: 1070°C
Melting range: 1010 - 1070°C



Ordering information

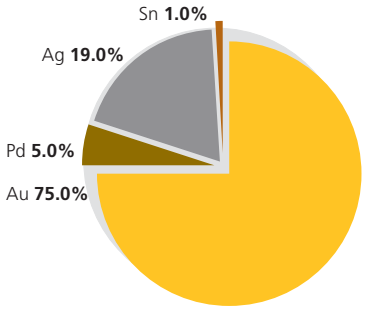
200004604	Ribbon on reel 3.0 g
400003133	Pack of 3 wires

VS 1 A

Light yellow, copper-free

Recommended solder for:
Ceradelta, Ceradelta 2, Cerapall 2, Cerapall 6, Implantalloy 2, V 92, V-Classic, V-Delta 450, V-Delta SF, V-Delta Special, V-Deltaloy

Working temperature: 1100°C
Melting range: 1030 - 1100°C



Ordering information

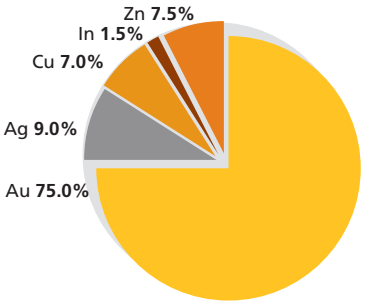
200004605	Ribbon on reel 3.0 g
400003132	Pack of 3 wires

VACU PF

Yellow, palladium-free

Recommended solder for:
All metalordental bonding alloys.

Working temperature:850°C
Melting range: 750 - 800°C



Ordering information

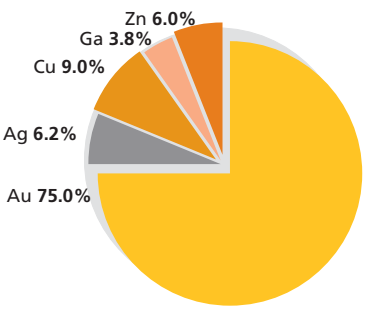
200004727	Pack of rods 5.0 g

VACU 2

Light yellow, palladium-free

Recommended solder for:
Pontor 4 CF, Pontor LFC

Working temperature: 770°C
Melting range: 645 - 725°C



Ordering information

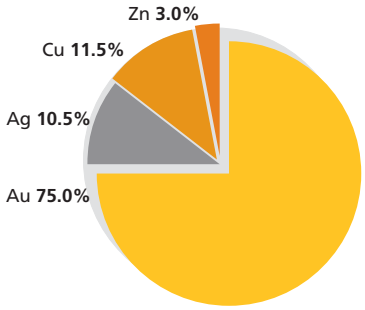
200004690	Pack of rods 5.0 g

STANDARD LFC 1

Yellow, palladium-free

Recommended solder for:
Aurofluid Plus, Pontor 4 CF, Pontor LFC

Working temperature: 880°C
Melting range: 855 - 880°C



Ordering information

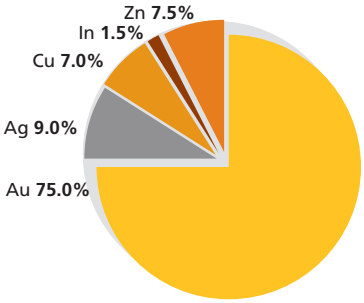
200004608	Ribbon on reel 3.0 g
400003136	Pack of 3 wires

VACU-PF

Yellow, palladium-free

Recommended solder for:
Aurofluid 2 PF, Pontor MPF

Working temperature: 800°C
Melting range: 750 - 800°C



Ordering information

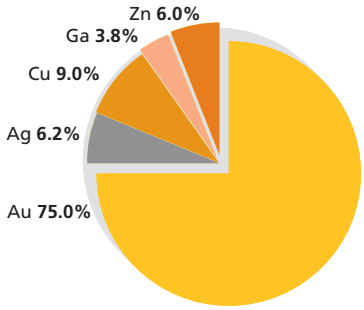
200004612	Ribbon on reel 3.0 g
400003207	Pack of 3 wires

STANDARD S 4 PF

Light yellow, palladium-free

Recommended solder for:
Aurofluid 2 PF, Aurofluid 3, Implantalloy 3, Pontor 2, Pontor 4 CF, Pontor MPF, Solaro 3, Yellow Special

Working temperature: 730°C
Melting range: 645 - 730°C



Ordering information

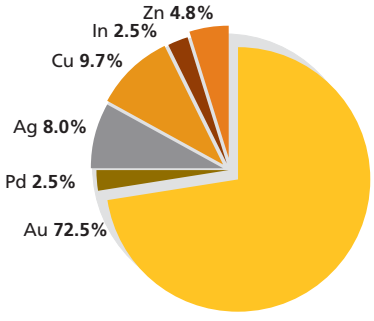
200004603	Ribbon on reel 3.0 g
400003139	Pack of 3 wires

STANDARD S 2

Yellow

Recommended solder for:
Aurofluid 2 PF, Aurofluid 3, Aurofluid Plus, Implantalloy 3, Pontor LFC, Pontor 2, Pontor 4 CF, Solaro 3

Working temperature: 830°C
Melting range: 790 - 830°C



Ordering information

200004601	Ribbon on reel 3.0 g
400003137	Pack of 3 wires

STANDARD S 3

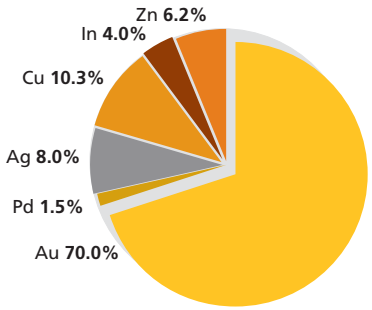
Yellow

Recommended solder for:
Aurofluid 3, Implantalloy 3, Pontor 2, Pontor MPF, Solaro 3, Yellow Special

Working temperature: 780°C
Melting range: 710 - 780°C

Ordering information

200004602	Ribbon on reel 3.0 g
400003138	Pack of 3 wires



STANDARD S 31

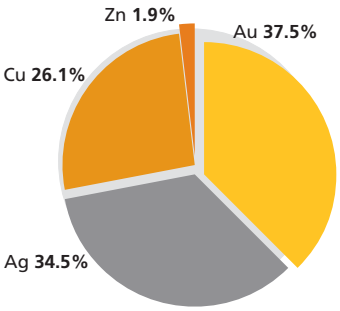
Light yellow, palladium-free

Recommended solder for:
Pagalin 2, Pagalinor 2, Yellow Special

Working temperature: 790°C
Melting range: 775 - 790°C

Ordering information

200004613	Ribbon on reel 3.0 g



PAGASOL S 1

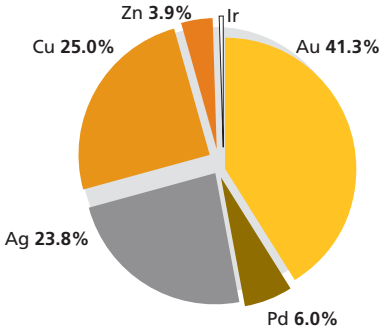
White

Recommended solder for:
Pagalin 2, Pagalinor 2

Working temperature: 850°C
Melting range: 800 - 850°C

Ordering information

200004607	Ribbon on reel 3.0 g
400003141	Pack of 3 wires



REVETOR II

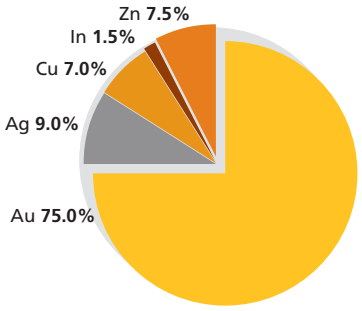
Yellow, palladium-free

Recommended solder for:
Precious alloys to non-precious alloys.
May also be used for gilding clasps.

Working temperature: 800°C
Melting range: 750 - 800°C

Ordering information

200004592	Pack of 1 tube
200004593	Pack of 2 tubes



SOLCHROM PAL

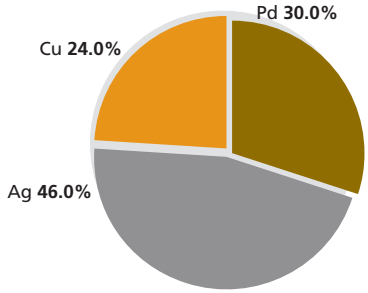
White

Recommended solder for:
Precious alloys to non-precious alloys.

Working temperature: 940°C
Melting range: 865 - 940°C

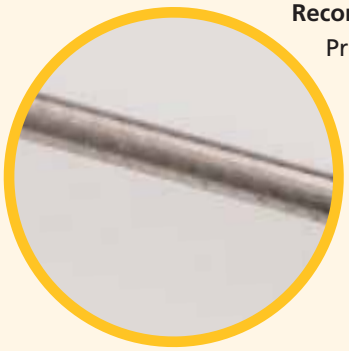
Ordering information

200004590	Pack of 1 tube
200004591	Pack of 2 tubes



META CC S1

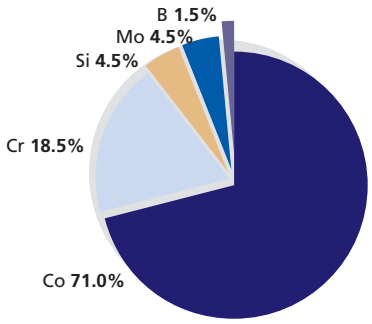
White



Recommended solder for:
Pre-solder for Metalloy CC

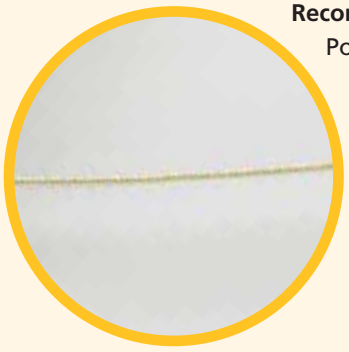
Working temperature: 1160°C

Ordering information
300005934 Pack of 3.0 g wire



META CC S2

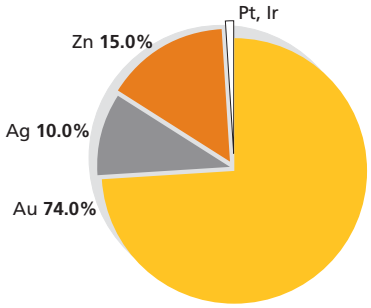
Light yellow



Recommended solder for:
Post-solder for Metalloy CC

Working temperature: 720°C

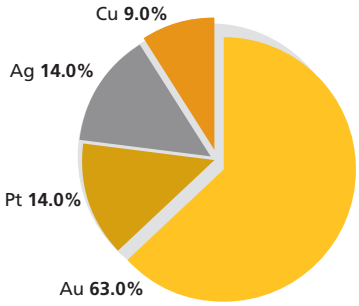
Ordering information
300005935 Ribbon 0.4 g



ANCROFIL

Light yellow, palladium-free

For wires, clasps, attachments and construction elements.
Round wire, length = 200 mm



Ordering information

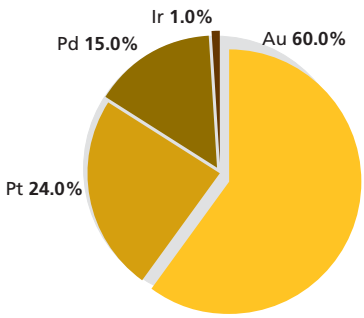
400003169	ø 0.40	1 x 0.40 g
400003172	ø 0.70	1 x 1.25 g
400003173	ø 0.80	1 x 1.65 g
400003175	ø 0.90	1 x 2.05 g
400003177	ø 1.00	1 x 2.55 g
400003179	ø 1.00	5 x 2.55 g
400003180	ø 1.10	1 x 3.05 g
400003182	ø 1.10	5 x 3.05 g
400003183	ø 1.20	1 x 3.65 g
400003185	ø 1.20	5 x 3.65 g
400003186	ø 1.30	1 x 4.25 g
400003170	ø 1.40	1 x 4.95 g
400003188	ø 1.50	1 x 5.70 g
400003189	ø 1.60	1 x 6.45 g
400003352	ø 1.80	1 x 8.15 g

NOVOSTIL

White, silver-free and copper-free

Non oxydizing dental alloy for the direct cast-on technique.
High melting range, 1400 - 1460°C.

For wires, posts, abutments, attachments and construction elements.
Round wire, length = 200 mm



Ordering information

400003190	ø 0.50	1 x 0.70 g
400003191	ø 0.70	1 x 1.40 g
400003192	ø 0.80	1 x 1.90 g
400003193	ø 0.90	1 x 2.30 g
400003194	ø 1.00	1 x 2.85 g
400003195	ø 1.10	1 x 3.45 g
400003196	ø 1.20	1 x 4.10 g
400003197	ø 1.30	1 x 4.80 g
400003198	ø 1.40	1 x 5.60 g
400003199	ø 1.50	1 x 6.40 g
400003201	ø 1.80	1 x 9.20 g
400003202	ø 2.00	1 x 11.40 g
400003203	ø 3.70	1 x 38.95 g

AUROFILM® 2000

Aurofilm 2000 is a preformulated gilding paste. Metalordental's expertise and unique experience in gold powder manufacturing has resulted in the development of a product with unique properties for the gilding of your crowns and bridges. It is easy to use, gives perfect covering on precious metals and a faultless appearance for your ceramic-to-precious metal restorations.

- Bright, natural looking shades on your metallo-ceramic restorations
- Golden base colour on all Pd- and Pd-Ag- Base alloys
- Easy to apply
- Ready to use
- Stable for multiple firings
- Excellent melting characteristics

Ordering information

200004585	Complete kit
200004586	3 g paste, syringe
200004393	Liquid 5 ml
200004492	Brush

AUROFILM® NP

Aurofilm NP has been developed for use on non-precious alloys as a gilding paste. Only one application is necessary prior to porcelain application.
Aurofilm NP is recommended to increase esthetics of Co-Cr and Ni-Cr non precious alloys.

Ordering information

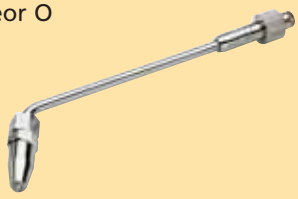
200004588	Complete kit
200004589	3 g paste, syringe
200004394	Liquid 5 ml
200004492	Brush

HINTS FOR SUCCESS WITH THE METEOR FLAME-SYSTEM

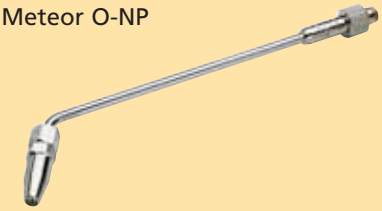
Type of alloy	Type of burner	Heat soaking temp.	Type of crucible	Flux	Type of gaz
Conventional precious alloys	Meteor A	650°C - 700°C	preheat ceramic crucible in a furnace	Borax for alloys with a liquidus temperature below 1000°C Cristallized boric acid for alloys with a liquidus temperature above 1000°C	Propane / Compr. air
Universal precious alloys	Meteor O	650°C - 700°C	preheat ceramic crucible in a furnace	Borax for alloys with a liquidus temperature below 1000°C Cristallized boric acid for alloys with a liquidus temperature above 1000°C	Propane / Oxygen
Bonding precious alloys	Meteor O	750°C - 850°C	preheat ceramic crucible in a furnace	Cristallized boric acid	Propane / Oxygen
Non precious alloys	Meteor O-NP	900°C - 1000°C	preheat ceramic crucible in a furnace	none	Propane / Oxygen

Meteor A

Meteor O

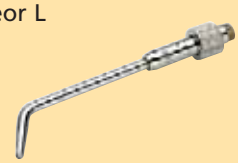


Meteor O-NP



Pressure ratios	Ignition	Approxi-mate lenght of flame	Shut down procedure	Neutral flame settings
Propane 0.5 - 1.0 bar Compr. air 1.0 - 2.0 bar	First open compr. air (blue), and then propane (red)	15 - 25 cm	Always close gas first (red), and then shut down compr. air (blue)	 Pointed blue cone up to mid length of a roaring flame
Propane 0.2 - 0.7 bar Oxygen 1.0 - 1.5 bar	First open oxygen (blue), and then propane (red)	20 - 22 cm	Always close gas first (red), and then shut down oxygen (blue)	 Soft drifting blue flame, inner flame cone 2 - 3 mm
Propane 0.2 - 0.7 bar Oxygen 1.0 - 1.5 bar	First open oxygen (blue), and then propane (red)	35 - 40 cm	Always close gas first (red), and then shut down oxygen (blue)	 Roaring hard blue flame, inner flame cone 3 - 4 mm
Propane 0.5 - 1.0 bar Oxygen 2.5 - 3.0 bar	First open oxygen (blue), and then propane (red)	40 - 45 cm	Always close gas first (red), and then shut down oxygen (blue)	 Hard roaring blue flame

Meteor L



Universal Handle

OXIDATION COLOUR OF METALORDENTAL ALLOYS

Pontor® 4 CF, V 92, V-Gnathos® Plus, V-Gnathos® Supra, V-Supragold	
V-Gnathos® PF, Implantalloy 1	Cerapall® 2, V-Classic, V-Delta® 450
Aurofluid® Plus	V-Deltaloy
	Cerdelta® 2, Cerapall® 6, Implantalloy 2, Pontor® LFC, V-Delta® SF, V-Delta® Special
	Cerdelta®

Oxidation of the metal framework - and what this colour tells us:

The colour of the framework, after the recommended oxidation cycle, is a definite gauge as to the quality of the alloy surface. A regular oxide colour, specific to that alloy, indicates the optimal surface finish, clean and correctly processed, that provides a sound bond to the selected ceramic.
In order to achieve a successful reconstruction it is important not to underestimate the importance of the oxide layer as any discrepancies from the colour sample, described overleaf, points towards an incorrect treatment of the alloy.

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