



INSTRUCTIONS FOR USE

EN

MODELLATION

Wax to full contour for crown and bridge frame design. For composite, build up the framework in a reduced anatomic shape taking the planned veneer into consideration. Single crowns require a thickness of minimum 0.3 mm; abutment crowns thickness a minimum of 0.5 mm. Make sure that the framework demonstrates adequate stability of shape. Avoid sharp angles. Design the connector areas to be adequate for the position and alloy being used. If a composite or resin veneer is required, mechanical retention is recommended.

SPRUNG

Provide the modeled bridge framework or coping with sprues of a suitable size. Use the direct or indirect technique being sure that the reservoir is positioned in the heat center. The connection sprues between the reservoir and the coping should be 2.5-3.0 mm in length and width.

INVESTMENT

Weigh the wax pattern including the sprue to determine the quantity of the alloy to be used. (See wax conversion sheet/formula: weight x density = gr. of alloy). Use investment following the manufacturer's instruction.

BURN-OUT

The suggested burnout temperature:

High heat temperature investment: 650-760C/1200-1400F

Low heat temperature investment: 480-540C/900-1000F

MELTING AND CASTING

Use a separate carbon/ceramic crucible for each alloy. Used and new alloy must be in a ratio of 1:1.

Depending on the type of casting machine, follow the manufacturers instructions for use. Ideally a compressed air and natural gas torch should be used to melt C&B alloys because propane and oxygen is much too hot and can easily overheat these alloys. If you are using propane and oxygen the pressure should be 0.15 bar/2 psi for propane and 0.35 bar/5 psi for oxygen. Keep the alloy in the reducing atmosphere of the flame between the inner and outer cones. Use casting flux if needed.

Casting Temperature: 1025-1085C/1880-1990F

METAL PREPARATION

Carefully divest and clean the object with Al₂O₃, glass beads, or a pickling agent (such as Prevox®). Do not use a hammer for divesting the object to prevent deformation. Finish the framework with carbide burs or with ceramic-bonded grinding instruments. Avoid inhalation of dust during grinding!

HEAT TREATMENT

Annealing: 705C/1300F for 15 minutes; quench immediately (water)

Hardening: 205C/400F for 30 minutes; air cool.

SOLDERS AND FLUXES

Design the soldering paty as small as possible and preheat it in the furnace at approximately 600°C/1112F. The soldering gap should be the same thickness as the soldering strip. Allow the object to cool slowly after soldering.

Solder: .650, .615, .585 Fine Solder

Flux: Bondal Flux

Laser weld material: Laser C&B Yellow

POLISHING

After soldering or heat treatment, remove oxide and flux residue and finish and polish the frame-work with rubber finishers and polishers.

INDICATIONS

Recommended for inlays, onlays, 3/4 crowns, crowns, telescope crowns, conus crowns, short span bridges.

CONTRAINDICATIONS

For patients with known allergy/sensitivity to any major or minor constituents of this alloy, consult with a physician is recommended.

SIDE EFFECTS

In individual cases, sensitivity or allergies to components of this alloy may occur.

INTERACTIONS

Galvanic effects may occur between different alloys in the same oral environment.

For additional information look into the alloy property chart.

Composition

Indications
Inlays, onlays, 3/4 crowns, crowns, telescope crowns, conus crowns, short span bridges.

Instructions

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3/4 crowns, crowns, telescope crowns, conus crowns, short span bridges.

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Composition											
NL	PRODUCTINFORMATIE										
NO	BRUKSANVISNING										
PT	INSTRUÇÕES DE USO										
DA	BRUGSANVISNING										
EL	ΟΔΗΓΙΕΣ ΧΡΗΣΕΩΣ										
FI	KÄYTTÖOHJEET										
AU	Pt	Pd	Ag	Cu	Sn	Zn	In	Ga	Ru	Ir	Re
74.0	-	3.8	12.0	9.0	-	<1.0	-	-	-	<1.0	-
WASMODELLATIE											
Modeller de restauratie volledig in was. Maak voor composit-verblendtoepassing een onderstructuur die iets kleiner is dan de noordzakelijke anatomische vorm. Dit in verband met de toepassing van de geplande verblendtechniek. De wandtelle moet bij solitaire kronen ten minste 0,3 mm bedragen en bij pijskronen minimaal 0,5 mm. Let er op dat de onderstructuur in voldoende mate voorstaat. Vermind scherpe overgangen. Maak de verbindingssussen tussen de verschillende elementen zo stabiel dat ze voldaan aan de bestaande eisen voor interdentale hygiëne en de gebruikte legering. Breng de onderstructuur mechanische retenties aan.											
PAATSEN AAN GIETKANALEN											
Voorzie de in was gemodelleerde kroon- of brugstructuur van gietkanalen die voldoende groot zijn voor zowel de directe als de indirecte methode. Zorg dat het reservoir zich in het hittecentrum van de mofbel bevindt. De verbindingsskanalen tussen het reservoir en het gietobject moeten een lengte res. een doorsnee van 2,5 à 3,0 mm hebben.											
INBEDDEN											
Weeg het gietobject inclusief de gietkanalen om de benodigde hoeveelheid legering te kunnen bepalen. Zie daartoe de wasomrekeningstabell: wasgewicht x dichtheid = hoeveelheid legering in g. Let bij gebruik van de inbedmassa op de aanwijzingen van de fabrikant.											
UTBRÄNDEN											
Aanbevolen uitbrandtemperatuur: Inbedmassa's voor hoge temperatuurgebieden: 650-760C/1200-1400F Inbedmassa's voor lage temperatuurgebieden: 480-540C/900-1000F											
SMELTING EN GIETEN											
Gebruik voor iedere legering een aparte grafietkroes / keramiekroes. De oude en nieuwe legering moeten in een verhouding van 1:1 worden gebruikt. Let bij gebruik van het gietapparaat op de aanwijzingen van de fabrikant. Een propaan/zuurstofbrander wordt gemaakt van een brander die werkt met perslucht en aardgas. Een propaan/zuurstofbrander genereert te veel hitte waardoor de legering gemakkelijk oververhit kan raken. Stel de druk bij gebruik van een propaan/ zuurstofbrander bij propaan op 0,15 bar/ 2 psi en bij zuurstof op 0,35 bar/ 5 psi. Smelt de legering met het zuurstofarme gedeelte van de flamme. Dit gedeelte bevindt zich tussen de binnenste en de buitenste vlamekant. Laat de mofbel na het gieten tot kamertemperatuur afkoelen.											
Giettemperatuur: 1025-1085C/1880-1990F											
BEWERKEN											
Bij het gietobject voorzichtig uit en reinig het met behulp van Al ₂ O ₃ of glasparels. Gebruik bij het uitbedden van het gietobject geen hamer teneinde vervorming van het object te voorkomen. Bewerk en polijst vervolgens het object. Voorkom inademing van stof tijdens het slijpen!											
WARMTEBEHANDELING											
Zachtgloeiën: 15 minuten bij 705C/1300F; vervolgens onmiddellijk afschrikken (met water) Gehard oven: 30 minuten bij 205C/400F; latken afknellen.											
SOLDEER/VLOEIMIDDEL											
Maak het solderobject zo klein mogelijk en verwarm het bij een temperatuur van ca. 600C/1112F voor in de oven. De spleet tussen de objecten die verbonden moeten worden, moet kleiner zijn dan de diameter van het gebruikte solderdeel. Laat het solderobject na het solderen langzaam afkoelen.											
Soldeer: 650, 615, 585 Fine Solder Vloeimiddel: Bondal Flux Laserafslamateriaal: Laser C&B Yellow											
POLIJSTEN											
Verwijder na het solderen of de warmtebehandeling oxides en resten vloeimiddel en bewerk de onderstructuur met behulp van rubberen finier- en polijstinstrumenten.											
INDICATIES											
Inlays, onlays, driekwartkronen, kronen, telescoop-en konuskronen, kronen en bruggen met een erginco-spanwinkel.											
INDIKASJONER											
Anbefales for tiden for Inlays, Onlays, Trekvartskroner, Kroner, Teleskopkroner, Konuskroner, kortspandsbroer.											
KONTRAINDIKAASJON											
Voorbeferles for tiden for Inlays, Onlays, 3/4 kroner, kroner, teleskopkroner, konuskroner, kortspandsbroer.											
POLEERING											
Efter loddingen eller herdning skal oksidiser, og flusmiddelrester fjernes og skeletet bearbeides med gumminfinerre/-polererere.											
INDIKASJON											
Apôs a soldagem ou o tratamento térmico, remover os resíduos de óxido e de fluxo. Efetuar o acabamento com pontas montadas de silicone.											
KONTRAINDIKAASJON											
Vorbeferles for tiden for Inlays, Onlays, 3/4 kroner, kroner, teleskopkroner, konuskroner, kortspandsbroer.											
POLIMENTO											
Metta la sukulalljot ja liitettävät kohdat, jotta saavutetaan yhtenäinen ja kauniisti ilme.											
INDIKASJOTTO											
Vorbeferles for tiden for Inlays, Onlays, 3/4 kroner, kroner, teleskopkroner, konuskroner, kortspandsbroer.											
KONTRAINDIKAASJOTTO											
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INDIKASJON											
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KONTRAINDIKAASJON											
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KONTRAINDIKAASJON											
Vorbefer											

CONTRA-INDICATIES Wanneer bekend is dat de patiënt allergisch of overgevoelig is voor één van de bestanddelen dient een test worden geraadpleegd.	KONTRAINDIKASJON Ved kjent allergi eller oversolsohet overfor en av bestanddelene bør lege konsulteres.	KONTRA-INDICAÇÕES Recomendada para inlays, onlays, coroas 3/4, coroas, coroas telescópicas, coroas cónicas, pontes de curta extensão.
BIJKERKINGEN In sommige gevallen kan overgevoelighed of een allergie voor bestanddelen van de legering ontstaan.	BIVKRINKINGER I enkelte tilfeller kan det oppstå oversolsohet eller allergi overfor bestanddeler i denne legeringen.	BIVKRINKINGER Ved enkelte tilfældet kan der optræde allergi eller intolerance mod dele af legeringens indhold.
INTERACTIES Bij gebruik van verschillende soorten legeringen in één mondholte kunnen galvanische reacties optreden.	VEKSELVIRKNINGER Forskjellige legeringstyper i samme mundhule kan føre til galvaniske reaksjoner.	VEKSELVIRKNINGER Para os pacientes que apresentam comprovada alergia ou sensibilidade a qualquer um dos constituintes desta liga, uma consulta médica preliminar é recomendada.
YHTEISVAIKUTUKSET Forskjellige legeringstyper i samme munnhole kan føre til galvaniske reaksjoner.	EFEITOS COLATERAIS Em casos individuais, podem ocorrer sensibilidade e alergias relacionadas com os componentes desta liga metálica.	YHTEISVAIKUTUKSET Suun olosuhteissa saatataa esintyä eri metallien välisiä galvanisia vaikutuksia.
Ytterligere data om legeringen finner du i legeringstabellen.	Ytterligere data om legeringen finner du i legeringstabellen.	Lisätietoja metallien ominaisuuksista kuvavasta taulukosta.
<i>Voor meer gegevens over de legering verwijzen wij naar de legeringstabel.</i>	<i>Para maiores informações, consultar a tabela de propriedades da liga.</i>	