

EDUCATIONAL MATERIALS

Tools for Dental Professionals

Technician's Manuals

A "must" for professional dental technicians

These comprehensive manuals are for technicians who want to study various fabrication procedures used in the dental lab, and the basic sciences needed to successfully communicate with dentists. They are also recommended for technicians who are preparing to take the certification examinations. They are written by U.S. Air Force Dental Laboratory Instructors.

GROUP/ITEM # 077-65-0030 Basic Sciences - Vol. I
 GROUP/ITEM # 077-65-0031 Removable Prosthodontics - Vol. II
 GROUP/ITEM # 077-65-0032 Fixed and Special Prosthodontic and Orthodontic Appliances - Vol. III

Justi Papilla Gauge Denture Measuring Device

The permanent position of the papilla can provide great diagnostic value in reproducing tooth position in the construction of a denture. A measuring device that uses this landmark will record, with accuracy, the horizontal and vertical plane to define the position of the incisal edges and the central incisors. These measurements can be recorded, along with the mold and shade, on the patient's records for present or future application.

For more information, please contact us.

GROUP/ITEM # 077-65-0013 Justi Papilla Gauge

Artificial Mold Selector Guide

A Total Tooth Selecting System

A unique and comprehensive slide chart, which was designed to aid the dental and laboratory professional in the selection of specific Justi tooth molds. It also allows you to set up a denture or partial case with 100% assurance of accuracy in your mold selection. This one-of-a-kind tool was designed and patented by Justi. No dental professional should be without one! Please contact us for additional information. U.S. Patent #5,821,509.

GROUP/ITEM # 077-65-0011 Artificial Mold Selector Guide
 # 077-65-0014 Artificial Mold Selector Display Stand

Justi Pocket Lens

Details, details, details!
 You'll love how clearly details can be seen with our new Pocket Lens. The applications around your lab or dental office are limitless.

GROUP/ITEM # 077-65-0035 Justi Pocket Lens

Technician's Utility Ruler

The Justi Technician's Utility Ruler will aid the technician in the most common situations: Fabrication of occlusal rims, verification of the maxillary central incisor position, determination of normal or cross-bite situations, determination of posterior molds, measuring for the six anterior teeth and related information. Comes complete with instructions for use.

GROUP/ITEM # 077-65-0012 Technician's Utility Ruler

Justi Utility Template

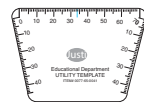
The Justi Template is a quality stainless occlusal plane guide tool specifically designed for the needs of today's productive technicians for tooth set-up and occlusal bite rim fabrication. A guide relation of 80 degree angled sides are calibrated with a millimeter rule guide measuring 0 to 70 mm with markings at 18 and 22 mm.

GROUP/ITEM # 077-65-0041 Justi Utility Template

Justi Caliper

This compass style measuring device can be used for measuring parameter landmarks on a working model or facial dimensions to aid in determining tooth mold selection.

GROUP/ITEM # 077-65-0034 Justi Caliper



Justi Crown Gauge

A traditional stainless steel caliper which can also be used for measuring the palatal or buccal flange thickness on an acrylic denture base. It measures in 1/10 mm increments up to 10 mm.

GROUP/ITEM # 077-65-0036 Justi Crown Gauge



Anatomical/Educational Tooth Model

A large resin, two rooted molar approximately 8" tall. Depicts decay into enamel, dentin and pulp. The beginning and progression of decay resulting in an abscess. Includes a removable crown which reveals a molar crown prep. Now available with a pink base to make an impressive display. The pink base is also available as a separate item.

GROUP/ITEM # 077-65-0046 Anatomical/Educational Tooth Model w/o base
 GROUP/ITEM # 077-65-0046B Anatomical/Educational Tooth Model w/ base
 GROUP/ITEM # 077-65-0046C Pink Base for Anatomical Tooth Model



Anatomical Study Models

The anatomical study model is perfect for patient education. The crystal clear model shows each tooth in its entirety and its relationship to the rest of the dentition. Each individual tooth may be removed by the Doctor to explain treatment to the patient. The patented Vertex hinge guarantees a lifetime of use with these models. The Anatomical Orthodontic Study model was not made showing ideal dentition, allowing the practitioner to show the patient some of the common recommendations for treatment.

GROUP/ITEM # 077-2072 Anatomical Study Model
 GROUP/ITEM # 077-2072-CL2 Anatomical Ortho Study Model



Pathology Teeth and Gum Section and Card

An oversized model of premolars and molars that features many common dental problems. Includes an information card. Model size: 5.5"x2"x3.5".

GROUP/ITEM # 077-20286 Pathology Teeth and Gum Section with Card

Information card shows the name of surfaces, pathologies and advancement of some of the diseases. Card size 6.5"x5.25"

GROUP/ITEM # 077-20287 Pathology Teeth and Gum Section Card Only



Typodont Models

For more Typodont Models turn to page 66D

Education plus Demonstration = Patient Acceptance



There is no better way to effectively communicate “before and after” malocclusion and appliance therapy to your patient than these aesthetic, realistic 3-dimensional anatomical study models. Justi Educational Department features both adult and primary natural dentition designs. With adult and primary natural dentition designs such as the Orthodontic Class I (ideal occlusion) and Class II (maxillary anterior overbite) models available, the dental professional is easily able to demonstrate the problem as well as the recommended hands on treatment objectives thereby gaining patient acceptance. The Class I Orthodontic Model consists of 28 adult teeth while the Class II Orthodontic Model consists of 12 adult and 12 primary teeth. Whether used for laboratory instruction, displaying orthodontic appliances, or to enhance patient communication, these anatomical study models from Justi Products division of American Tooth Industries are a must for today’s complete dental professional.

| GROUP/ITEM # | DESCRIPTION |
|--------------|-------------------------------|
| 077-298009 | Class I Orthodontic Typodont |
| 077-298010 | Class II Orthodontic Typodont |

Mandibular Cross Section

This sculpture of the Mandibular Cross Section is mounted on a handsome wood-ven plate. It is very useful in patient education. The cross section shows teeth #17 through #24. It also shows the supporting tissues, nerves and a side profile of tooth #19 cut in half to show the structure of the tooth: the enamel, dentin and pulp chamber and the cervical line all the way to the apical foramen. On the mesial middle third of #21 and the distal middle third of #22, it shows interproximal decay. Lastly it shows tooth #17, the wisdom tooth, unerupted.

Approx. Dimensions: 11.5” x 6.5”

GROUP/ITEM # 077-65-0053 Mandibular Cross Section



100407

Implant Patient Education Model Kits

For more Patient Education Models turn to page 66D

Since seeing is believing, the use of these 3-dimensional models will convey the information necessary for your patient to feel at ease with implant treatment. Your hands on demonstration of the value of bar retained overdenture, crown and bridge or ball retained overdenture will insure patient comprehension.

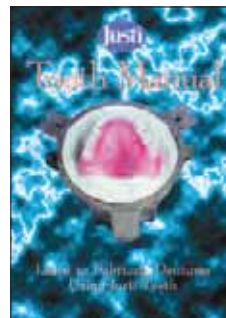


The ability of the patient to see and feel actual implants is invaluable in patient education and consent. These 3-dimensional model kits exhibit many benefits over other model kits on the market. In particular these kits are manufactured using genuine Justi denture teeth. These Justi denture teeth provide true shade hues and the natural aesthetics that will reinforce the positive results of implant treatment for your patient. The use of these 3-dimensional models as tools to educate patients on implant treatment is advocated by major lecturers of practice management, patient education and clinical procedures. The Justi Implant Patient Educational Model Kit contains all three typodonts in a clear base.

| GROUP/ITEM # | DESCRIPTION |
|--------------|--|
| 077-298002 | Implant Patient Educational Model Kit Clear Base |
| 077-298004 | Clear Ball and O-Ring Typodont |
| 077-298006 | Clear Crown and Bridge Typodont |
| 077-298008 | Clear Hader Bar Typodont |

Typodonts 298004 to 298008 are individually packaged

Justi Denture Manual

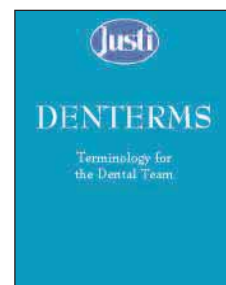


Learn How to Fabricate Dentures using Justi Teeth

A manual for the selection, articulation and fabrication of dentures using Justi plastic teeth. An invaluable guide for the dental laboratory technician. State-of-the-art illustrations describing some of the types of removable prosthodontic appliances and techniques used in dentistry today. An invaluable aid to both teaching and learning.

GROUP/ITEM # 077-65-0006 Justi Tooth Manual

Denterms - Dental Dictionary



Terminology for the Dental Team

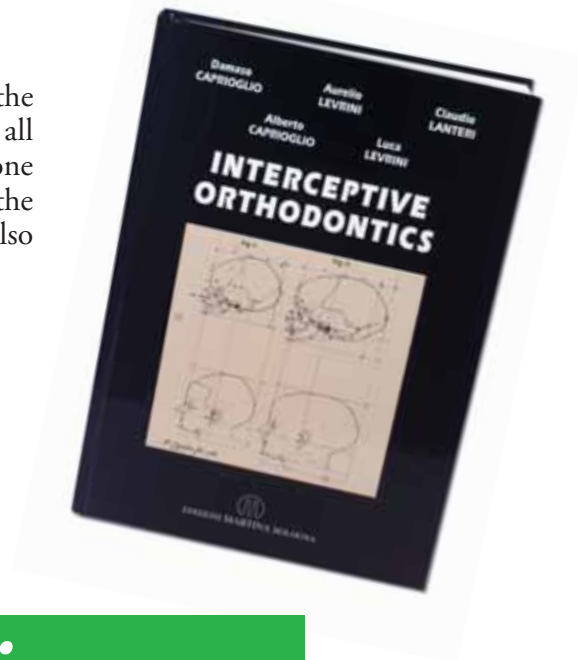
A glossary of dental terminology slated toward those terms associated with prosthetic dentistry. Much of the “language of dentistry” is defined, keeping in mind that the reader is new to the field. For use by schools of dental laboratory technology, schools of dental assisting, dental hygiene and by many others interested in dental health who seek a basic knowledge of dental anatomy.

| GROUP/ITEM # | DESCRIPTION |
|--------------|------------------------------|
| 077-65-0049 | Denterms - Dental Dictionary |

Interceptive Orthodontics

Interceptive Orthodontics is a book which belongs in the library of every practitioner who treats children, including all orthodontists and pediatric dentists, because it not only is one of the most complete and comprehensive descriptions of the dentofacial problems encountered in growing children but also offers applicable solutions to these problems.

Grp/Item #042-65-0055

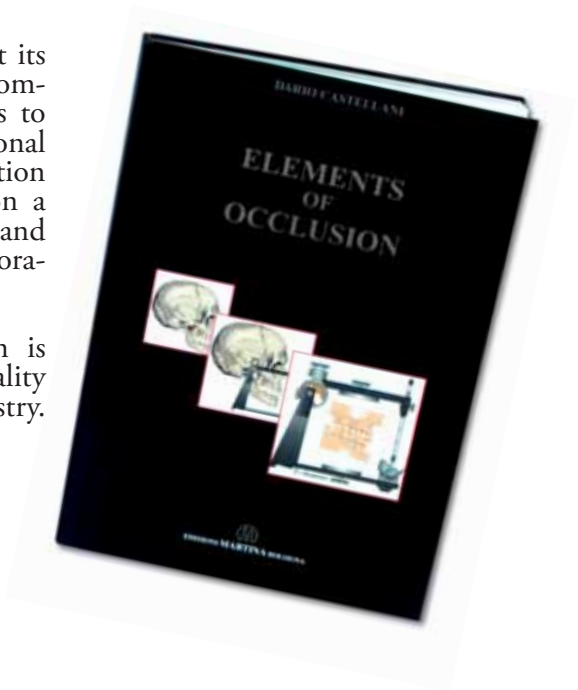


Elements of Occlusion

This book aims at being a user-friendly atlas. It will merit its definition as an atlas by describing the mechanics of the stomatognathic apparatus and its relative functions, it manages to provide the reader with an updating support as an operational map of reference. A compendium of pictures and information set up to give the topic of temporomandibular occlusion a structural framework. It describes the anatomy, physiology, and dynamics of the scenario with which any operation of restorative dentistry take place.

Being a challenge to the proverbial saying, "Occlusion is Confusion" a concept often used to justify the superficiality and disinterest in what is the heart of the branches of dentistry.

Grp/Item #042-65-0056



Alma Bite Gauge

The Alma Bite Gauge combines tried and tested principles of facial height with superior Asden design technology to guarantee pinpoint accuracy and significantly improved ease of use.

Features and Benefits:

- Measuring accuracy reduces error and guesswork
- Easy-to-read 0 to 100 mm measurement scale on both sides, laser-etched for performance
- Easy one hand adjustability
- Reversible for dot-to-dot or under nose to under chin measurement
- Strong, durable and lightweight construction
- Non-rust, non-dirt trapping plastic construction
- Steam autoclavable to 134°C

The Alma Bite Gauge is used to determine and prescribe the correct vertical dimension of new and replacement dentures and to diagnose errors in old dentures.

An adequate freeway space is necessary for prostheses to function properly. The Alma Bite Gauge provides a new level of simplicity and accuracy in assessing this. It is used to measure the vertical dimension of the face first with the mandible in its rest position (RVD) then with the teeth in occlusion (OVD). The difference between these two readings is commonly called the freeway space (FWS). By careful adjustments at various clinical states it is possible to make new dentures with an optimum freeway space. This will assist in the success of the dentures.

When the Alma Bite Gauge is used in conjunction with the Alma Denture Gauge and the Alma Bite Plane a predictable result can be achieved. The Alma Bite Gauge allows the freeway space to be determined in two ways. The upper arm of the Alma Bite Gauge can be removed and turned around depending on which method is preferred.

| GROUP/ITEM # | DESCRIPTION |
|--------------|-----------------|
| 077-65-0062 | Alma Bite Gauge |



Alma Bite Plane

It is essential to establish the correct orientation of the occlusal plane in order to produce successful dentures.

The Alma Bite Plane is a dedicated instrument that can assist in determining the correct orientation of the occlusal plane in order to produce successful dentures.

The intra-oral feature of the instrument is placed on the occlusal surface of the record rim and the extra-oral part indicates to the operator the relationship of the occlusal plane to the facial guide-lines.

The operator can adjust the occlusal rim both laterally and in the antero-posterior direction in order to ensure that the occlusal plane is correct.

There are two planes to consider. Looking at the face of the patient (Figure 1), the record rim is adjusted so that the Alma Bite Plane is parallel to the inter-pupillary or at a right angle to the long axis of the patient's face.

Looking at the side of the patient's head (Figure 2), the record rim is adjusted so that the Alma Bite Plane is parallel to the alartragal line.

This simple procedure will avoid unnecessary retries and produce prosthesis with the correct orientation of the occlusal planes. The Alma Bite Plane can also be used at the 'try in' and the 'fit stage' in order to confirm that the recordings have been reproduced accurately.



| GROUP/ITEM # | DESCRIPTION |
|--------------|-----------------|
| 077-65-0061 | Alma Bite Plane |



Figure 1



Figure 2

Alma Denture Gauge Kit

The Alma Denture Gauge provides a unique and essential method to define and reproduce denture tooth position, which not only accurately determines bite rim size, but simplifies initial set-up and also greatly improves processing techniques.

- Defines vertical and horizontal tooth position by pinpointing the tips of the incisor teeth, relative to the papilla.
- Transfers information as numerical readings between surgery and laboratory via the ADG sleeve template.
- Determines the full width of the arch by using the sleeve template.
- Prescribes bite rim sizes. Plus the position of the teeth for try in.
- Allows the technician to customize each stage of the work to prescription.
- Allows easy checking of the flasking procedure for accuracy.
- Easy evaluation of relines, rebases and copy dentures.
- Assists in duplicating techniques where required.
- Allows old worn dentures to be improved and modified where required and not simply to be used as a copying system.



A patient's smile and the function of their dentures are essentially determined by the position of denture teeth within the oral cavity. Correct positioning will also enable clear speech and when placed to support the lips can make a marked difference to the apparent age of the face. During the first appointment an initial estimate of the tooth position should be established. This should be confirmed at the occlusal record stage when speech can also be tested.

The Alma Denture Gauge provides a simple to use but essential means to take horizontal and vertical measurements of the existing denture relative to the incisive papilla. These measurements can then be recorded, referenced and transferred to the laboratory for accurate denture production.

| GROUP/ITEM # | DESCRIPTION |
|--------------|--|
| 077-65-0059 | Alma Denture Gauge Kit 1/Pk includes: 1 marker pen & 25 sleeves. |
| 077-65-0060 | Alma Denture Gauge Sleeves 50/Pk. w/ 1 marker pen. |

Use of the Alma Denture Gauge not only helps in the provision of better and more accurate dentures but also saves time in virtually eliminating rework caused by tooth positional error. When used in conjunction with the Alma Bite Gauge and the Alma Bite Plane accurate and consistent results can be achieved.

Alma Wax Tray System

Working with wax in the Dental Surgery can be a messy activity, leading to unhygienic and untidy surgery work surfaces. With this in mind, the Alma Wax Tray System has been designed and developed to enable the Dental Surgeon to keep work surfaces organized and hygienic, while producing wax rims for full denture production. The Alma Wax Tray System Comprises of the Alma Hotplate and the Alma Wax Tray, complete with a supply of disposable liners to be replaced when required.

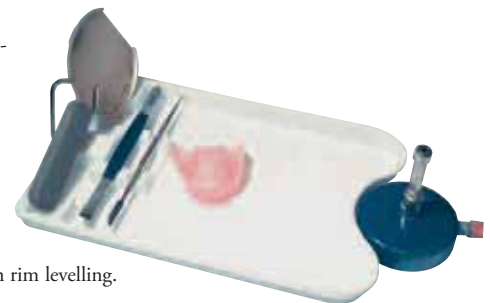
Alma Hotplate

Designed with a flat surface and wax collection flanges, the Alma Hotplate is a useful tool for quick and easy adjustment of the overall shape and height of wax bite rims, for use in both the dental surgery and dental laboratory.

Being both lightweight in construction and incorporating a heat-insulating handle, the Alma Hotplate provides the user with added comfort and ease of use. Furthermore, the Hotplate is fully autoclavable up to 134°C, adhering to the increasingly strict hygiene standards of the dental surgery.

The Key Features of the Alma Hotplate are as follows:

- Enables quick and easy shape adjustment of wax bite rims.
- Features a melted wax collection flange and drip point lip.
- Incorporates a heat-insulating handle.
- Comfortable to use and made from a lightweight construction.
- Flat surface for wax rim height adjustment.
- Designed for ambidextrous usage.
- Features an open upper edge for run off when rim levelling.



Alma Wax Tray

Designed to reduce the mess caused by wax rim adjustment, the Alma Wax Tray allows the surgeon to replace the generally untidy methods of collecting excess wax caused while shaping bite rims and other wax procedures with an effective and innovative product. By using the Wax Tray in the every day surgery, we believe the surgeon is able to maintain maximum efficiency in working procedures and convey the image of a professional, clean and well-organized dental practice to patients and visitors.

Features of the Alma Wax Tray include a tray edge recess, shaped to accommodate the preferred heat source and allowing melted wax to be collected cleanly onto the tray and not onto the work surface.

The Alma Wax Tray also incorporates a convenient hotplate support to keep the heated instrument safely raised while allowing further wax drips to be collected on the tray. This support arm can easily be folded flat to allow the Alma Wax Tray to be stored in drawers and instrument tray storage cabinets.

Disposable wax tray liners enable quick and efficient removal of excess wax material and trimmings while featuring conveniently positioned parking for wax knives and other sculpting instruments.

The Key Features of the Alma Wax Tray System are as follows:

- Helps to keep dental surgery work surfaces organized and tidy
- Includes tray edge recess, allowing convenient positioning of heat source
- Includes wax knife and carver position location
- Left or right handed
- Integral support keeps heated hotplate away from tray surfaces
- Conveniently sized to fit into limited working space
- The collapsible hotplate support allows convenient tray storage
- Includes hotplate support feature that allows drips to fall onto disposable tray
- Incorporates easily removable and disposable tray liner
- Sized to fit lateral or longitudinal tray storage cabinets
- Includes a working "wax drip" collection area

| GROUP/ITEM # | DESCRIPTION |
|---------------|--|
| 077-65-0063 | Alma Wax Tray System includes: 1 base tray, 1 autoclavable hot plate, & 25 disposable trays. |
| 077-65-0063RT | Alma Wax Tray System Replacement Trays. 50/Pk. w/ 1 marker pen |

Removable Prosthetic Models

Models are an effective way to gain patient acceptance for treatment options being offered to them. These three-dimensional models will allow your patient to be at ease with implant treatment. These models are manufactured using genuine Justo denture teeth which provide true shade hues and natural aesthetics for positive reinforcement of the implant treatment. Models are cost effective demonstration devices allowing the patient to visualize and assess the different treatment options. These removable prosthetic models are designed to illustrate "o" ring overdenture, bar overdenture, and hybrid style dentures.



Hybrid Denture

Implant support hybrid denture with base model. This model is available to illustrate either a screw retained or cemented option

4 Implant Ball & O-Ring

Clear lower implant base with 4 Ball Implants, includes overdenture with O-Rings. The water clear base provides excellent visibility of implants.

Upper Hader Bar

Clear base made with two 2-implant supported hader bar overdenture with EDS clips. The water clear base resin provides excellent visibility of implants.

GROUP/ITEM # DESCRIPTION
077-290135 Hybrid Denture & Base Model

GROUP/ITEM # DESCRIPTION
077-290150 4 Implant Ball & O-Ring Clear

GROUP/ITEM # DESCRIPTION
077-290190 Upper Hader Bar Clear

Orthodontic Educational Model



Since seeing is believing, the use of 3-dimensional models will convey the information necessary for your patient to feel at ease with implant treatment. With adult and primary natural dentition designs such as the Orthodontic Class I (ideal occlusion) model. The Class I Orthodontic Model consists of 28 adult removable teeth.

Class I Orthodontic Typodont Model with Removable Teeth

Dental crowns anatomically correct with removable teeth for a variety of instructional applications

GROUP/ITEM # DESCRIPTION
077-290072 Class I Orthodontic Typodont Model with Removable Teeth



Orthodontic Consultation Models

Orthodontic models feature a variety of malocclusion sets before and after treatment. All are excellent for case presentations of orthodontic and pedodontic cases. A model and appliance combination allows for realistic examples of orthodontic appliance treatments.

Orthodontic Consultation Model Series Kit

The Orthodontic Model Series is comprised of 9 sets of Orthodontic and Dental Malocclusions. They feature a variety of malocclusion sets before and after treatment.

The series consist of:

- Class I Ideal
- Class I Anterior Open Bite
- Class II Division I Blocked Cuspids
- Class II Division II Mixed Dentition
- Class II Division I Open Bite Narrow Arches
- Class II Division I Excessive Overbite Excessive Overjet
- Class II Division II Permanent Dentition
- Class II Mixed Dentition Posterior Crossbite
- Class III Mixed Dentition

| GROUP/ITEM # | DESCRIPTION |
|--------------|--|
| 077-290600 | Ortho Consultation Model Series Kit (Two Tone) |



Protective consultation model kit case included



Pedodontic Model Series Kit

All of our Pedodontic models give your practice excellent visual benefit to your patients and their families to completely understand the entire scope of your treatment plan.

The series consist of:

- Pedodontic Crossbite
- Pedodontic Deepbite
- Pedodontic Class II
- Pedodontic Openbite
- Pedodontic Class III
- Pedodontic Ideal

| GROUP/ITEM # | DESCRIPTION |
|--------------|--|
| 077-290700 | Pedodontic Model Series Kit (Two Tone) |



Protective consultation model kit case included



JUST SAY YES! TO HIGHER PROFITS



Justi Blend[®] hardened plastic teeth bring a fresh and natural look to multi-blended characterized plastic anterior teeth. They are highly cross-linked, fluorescent, vacuum processed and possess the unique ability to duplicate the vitality of a natural tooth. The centrals, laterals and cuspids each have slightly varying tone. This, along with a semi-translucent body that reflects color from within, helps to create the depth and vitality of natural dentition. Justi Blend[®] teeth are available in 27 upper anterior and 8 lower anterior molds as well as 18 articulating upper and lower posterior molds in 0°, 10°, 20° and 33° anatomical medium and long. They are available in nine shades: 200, 202, 204, 206, 208, 210, 212, 214 and 216.

With all of Justi Blend's unique features, you will be amazed at how much money you can save by using Justi Blend teeth for your characterized cases.

For more information including Mold Charts and single tooth samples, or to locate the dealer nearest you, please call us at 800-628-1437, fax at (805) 483-8482, or visit our web site at www.americantooth.com.



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