

A Clear Winner



ECLIPSE[®]
Clear Base Denture

For better dentistry

DENSPLY
PROSTHETICS

TRUBYTE



A Growth Opportunity for Your Practice

While complete dentures can be challenging to the general practitioner due to the technical requisites and patient perceptions regarding denture therapy, they represent a vital means of practice growth and profitability as well as a key component of patient care. In the US alone, approximately 47 million individuals wear some type of removable prosthesis.¹ Although the rate of edentulism is declining, epidemiologic and demographic data indicate that the number of Americans who need complete dentures will continue to increase over the next two decades.^{2,3} In light of these trends and the resulting demand for removable prostheses, it behooves today's practitioner to provide full denture services for patient well-being and as a viable means for practice growth. The Eclipse Clear Base Denture helps to provide a therapeutic treatment option that creates a win for both the patient and the clinician.

Number of US Adults (measured in thousands) Requiring One or Two Dentures²

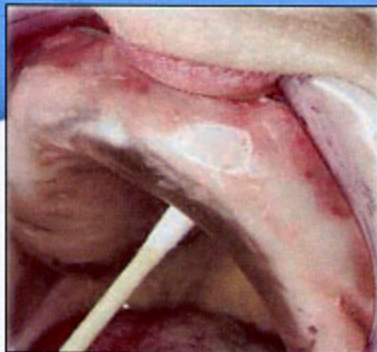
Age Group	1991	2000	2010	2020
25-34	858	670	613	601
35-44	3,770	3,841	2,928	2,614
45-54	5,612	7,332	7,711	5,850
55-64	7,667	7,836	10,232	10,595
65-74	7,675	6,837	7,054	9,164
75-84	6,166	6,613	5,934	6,381
85+	1,900	2,287	2,654	2,681

Total number of adults	33,648	35,416	37,126	37,886
Demand at 90% utilization	30,283	31,874	33,413	34,097
Total number of edentulous arches	53,839	56,493	59,265	61,043

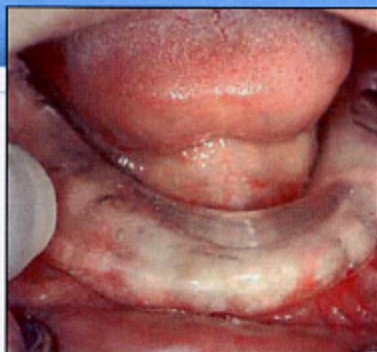
¹Douglass CW, Ostro L, Shih A. Denture usage in the United States: A twenty-five year projection (abstract 829). *J Dent Res* 1998;77(special issue):A:209.

²Carlsson GE. Future directions. In: Feine JS, Carlsson GE. *Implant Overdentures: The Standard of Care for Edentulous Patients*. Quintessence Publishing, Carol Stream, IL:145-154.

³Douglass CW, Shih A, Ostro L. Will there be a need for complete dentures in the United States in 2020? *J Prosthet Dent* 2002;87(1):58.



Tissue compression revealed by Eclipse Clear Base Denture.



Excessive denture bulk revealed by clear denture base.

Innovative Therapeutic Options

Contemporary denture materials have improved the clinician's ability to offer quality care for the edentulous patient population. The development of the Eclipse® Prosthetic Resin System by DENTSPLY Trubyte enables practitioners to provide a clear base denture with superior fit, aesthetics, and durability. Additionally, a predictable fabrication protocol contributes to patient acceptance of denture therapy and a more profitable outcome for the practice.

Weighing the Benefits

The ability of the clinician to view the intraoral environment is enhanced with a clear base denture. Soft tissue conditions (eg, tissue distortion, impingement, voids) can be accurately identified, eliminating the guesswork encountered with traditional tissue-shaded dentures. Chairside or laboratory adjustments may also be easily performed, with no flasking or investing. In addition, the clear base denture may be perceived by the patient as lighter in weight and less bulky than a complete denture fabricated from tissue-shaded acrylic resin.

"Using the **Eclipse Clear Base technique**, I've experienced **fewer return visits** for adjustments, averaging just 1.2 per patient over 4 years and 2,400 patients."

Stephen Wagner, DDS
Albuquerque, NM

Eclipse Benefits

For the Patient

Improved fit: Better adaptation of the prosthesis as a result of the clinician's ability to visualize the intraoral environment.

Visually appealing: Perception of lighter weight than traditional dentures.

Enhanced comfort: Excess flanges can be adjusted chairside to eliminate tissue impingements.

Natural aesthetics: The clear base of the denture reveals the patient's own tissue beneath the denture.

Greater confidence: Eclipse dentures help foster the clinician's ability to pinpoint problems with denture fit, which subsequently increases the patient's trust in the practitioner.

For the Practice

Improved diagnostics: Eclipse Clear Base enables the clinician's identification and modification of blanched tissues, border faults, and related issues while chairside.

Efficient try-in: Visualization of the underlying tissue can be easily accomplished through the clear base denture.

Increased case acceptance: Results from the patient's satisfaction with fit and the denture's overall premium aesthetics.

Simple modification: Eclipse dentures can be relined and repaired.

Enhanced efficiency: Viewing of the intraoral structures enables precise, rapid seating with fewer patient returns for adjustments.

Clear Base Dentures



Eclipse meets or exceeds ISO specification 1567 for:

- Color stability
- Tooth retention
- Sorption and solubility
- Flexural properties
- Validated in a multi-site clinical study with over 100 patients and up to two years of data

Eclipse is a prosthetic resin system for denture fabrication. Its clear upper and lower bases permit visualization of the patient's intraoral structures during try-in and adjustments. Eclipse is the first monomer-free denture base system that cures to the standards of a conventional denture base material. It is flask-free and reduces the potential for processing errors and changes in vertical dimension.

Eclipse Fit at Try-In Equals Fit at Delivery



1. First Visit

The shade of the base is determined. Post dam is drawn on the impression or on the laboratory prescription.

2. Occlusal Appointment

If any difficulties with fit are encountered, a wash impression is obtained at this time. The clinician **SHOULD NOT** wait until the try-in appointment. The midline, canine, and smile lines are also indicated on the impression.

3. Try-In Appointment: Handling

When not in use, the Eclipse denture should be kept in a light-safe bag provided, as the material is light cured. Minimal exposure to ambient light should also be ensured.



4. Try-In: Adjustments

If changes in tooth position are necessary chair-side, a warm-water bath (110°F/40°C) should be used to soften the material. The resin is pressed at the base of the tooth to adjust. A flame (alcohol or Bunsen burner) should never be used with Eclipse resins. The laboratory should be notified of all modifications.

5. Try-In: Volume and Bite Registration

A silicone material should be used if a new bite registration is necessary, or if the gingival area requires "plumping." Wax should never be combined with uncured Eclipse resins.

6. Fit at Delivery

Fit at try-in equals fit at delivery. Eclipse materials have approximately half the shrinkage of acrylics (3.5% versus 7% for PMMAs).

For better dentistry

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Form No. 4378-H (03/08)

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