

Physics® Forceps (Golden Dental Solutions) (Project #11-009) (1/12)



Physics® Forceps are innovative instruments for extraction of teeth, and teeth with little to no anatomical crown remaining. The forceps have a unique design that can deliver a powerful mechanical advantage by employing an efficient first-class lever. The extraction technique differs from any other extraction technique in that the buccal portion of the forceps is not a beak, but rather a bumper which is placed apically in the vestibule, creating a more efficient class I lever system. Teeth are rotated buccally with a slow, steady force until disengagement. The teeth are then delivered using a standard forceps. These forceps have the potential to remove teeth broken at the gumline more easily than standard techniques.



Manufacturer:

Golden Dental Solutions

(877) 987-2284

(313) 371-8773

(866) 624-0208 FAX

www.golddentalsolutions.com

Suggested Retail Price:

\$1,585.00 Complete standard set of one lower universal forceps, one upper right forceps, one upper left forceps, one upper anterior forceps, miscellaneous bumpers and one educational CD ROM.

Government Price:

\$1,285.00 Complete standard set of one lower universal forceps, one upper right forceps, one upper left forceps, one upper anterior forceps, miscellaneous bumpers and one educational CD ROM.

ADVANTAGES:

- + Easier luxation and extraction of severely decayed teeth
- + Faster extractions
- + Less traumatic; teeth were easily removed without a flap in cases where a flap would normally need to be performed
- + Educational CD ROM included

DISADVANTAGES:

- Potential for misuse and damage to buccal plate
- New and different technique than what is taught in dental school

SUMMARY AND CONCLUSIONS:

Physics® Forceps are the most innovative oral surgery instruments in recent years, completely changing the physics behind dental extractions. Fifty percent (5/10) of evaluators thought that the learning curve could be mastered in one day. Generally, less experienced operators had greater problems adapting their technique to use the instrument effectively. Two of the clinical evaluators visited the inventor, Dr. Richard Golden, and spent an afternoon with him extracting teeth at his Detroit office. Most of the teeth were badly decayed. After they abandoned their "rocking" technique, they became more successful in loosening and delivering the teeth atraumatically. There is potential for misuse, which will lead to fractured buccal bone, but when used according to instructions, especially in teeth that have fractured or missing anatomical crowns, these forceps deliver teeth much more quickly, without flap surgery. Clinical evaluators felt that these forceps would not entirely replace all traditional forceps, but are an important adjunct to the oral surgery armamentarium, especially when removing teeth with little or no anatomical crown left. **Physics® Forceps** are rated **Excellent** for use in US Air Force dental facilities.