

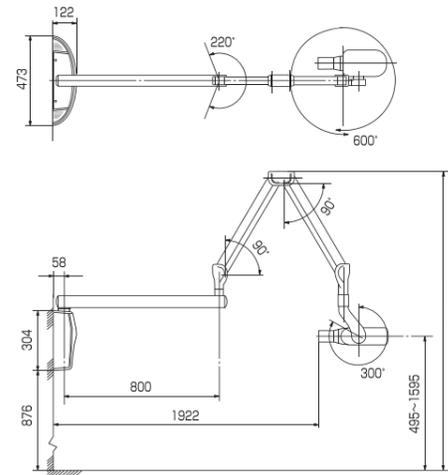
PHOT-X IS

DC Dental X-ray

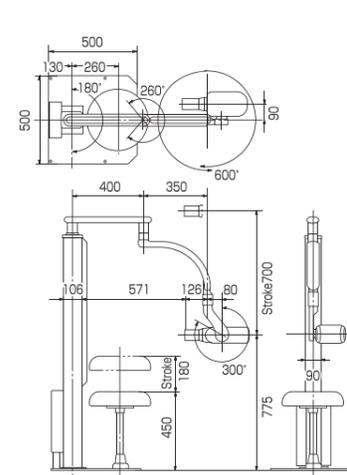
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Dimensions

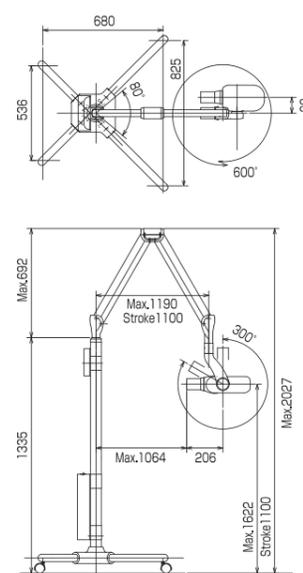
505-WK



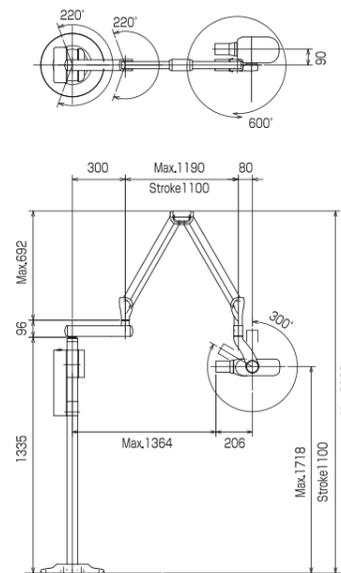
505-RK



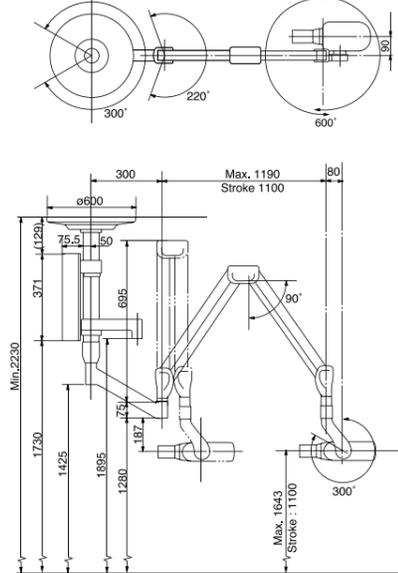
505-FM



505-FK1



505-CK



[mm]



DC Dental X-ray

The manufacturer reserves the right to alter or improve specifications without notice.



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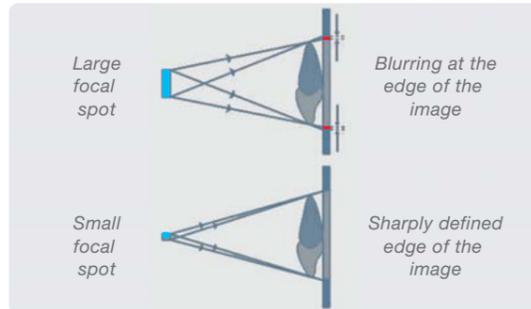
Printed in Japan 1507 OP

REF D-031

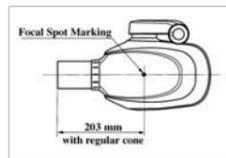


New Generation Multi Function DC X-ray by Belmont

Features



Radiation Dose may be viewed on the digital display with the press of a button.



Belmont's High Frequency Technology allows for

- Reduced skin dosage with optimum radiation level for every diagnostic need
- Ideal matching for digital imaging system
- Easy to position compact head

Small .4x.4mm focal spot for the sharpest images possible

The long cone option allows even sharper images and less magnification distortion while reducing patient radiations even more, yet stays small and maneuverable with the recessed focal spot location. The radiation output of the micro-computer controlled exposures can be read directly with the press of a button ensuring correct digital imaging settings are a snap. An optional square collimator attachment can reduce patient exposures to the absolute minimum.

Easy adjustment of Optimum radiation level for every patient

The operation is simple. Select tooth, select patient type and press exposure switch. Selection of cone length, film type or digital sensor, tube current (mA) and tube voltage (kV). The manual override timer allows the operator to personalize the film density, settings between 0.01 sec. and 2.0 sec.

Reduced dosage with radiation

DC constant potential decreases soft x-ray absorbed to the patient's tissue. The tube voltage (60 kV or 70 kV) and tube current (3 mA or 6 mA) and exposure time are easily selectable in accordance with the patient type. This helps avoid over dosage with unnecessary radiation.

Ideal for digital imaging system and film

The shortest exposures time is only 0.01 sec. and compatible for any type of digital imaging system. The pre-programmed timer is selectable for digital system and two different types of films. A total of 16 film speeds are available.

Easy to position compact tube head

High frequency technology allows for the lightweight (4 kg) compact easy to hold design tube head. This enables the operator to align the tube accurately each and every time for re-producible high contrast crisp radiographs with excellent image quality. The focal spot is set central to the head allowing for a shorter cone to be used.

Five types of installations

- **WK** Wall mounted type
- **RK** Room type with stool
- **FM** Mobile type with castors
- **FK** Floor mounted. Controller can be installed on the pole (FK1) or on the wall (FK2)
- **CK** Ceiling mounted type



505-WK



505-RK



505-FM



505-FK1



505-CK

Option

- Long cone for paralleling technique
- Rectangular collimator
- Hand exposure switch (standard for FM/FK1/FK2)



Long cone Rectangular collimator



Hand exposure switch

Technical Specifications

Focal point measurements	0.4 mm × 0.4 mm
Rated tube potential	60 kV / 70 kV (selectable)
Rated tube current	3 mA / 6 mA (selectable)
Rated line voltage	100/ 110/ 120/ 220/ 230/ 240 V AC 50/60 Hz
Rated line current	10.8 A (100 V/110 V/120 V) 6.6 A (220 V/230 V/240 V) at 70 kV / 7 mA
Line voltage range	±10 %
Exposure time	0.01 to 2.0 sec.
Total filtration	2.0 mmAl equivalent at 70 kV
Source-to-skin distance (SSD)	
Regular cone	203 mm
Long cone (option)	305 mm
Rectangular cone (option)	SSD of cone +40 mm
Duty cycle	1:30
Half value layer	1.5 mmAl over
Density preprogram	
Film	18 programs
Digital Sensor	18 programs