

RALPH J. DEDOMENICO, D.M.D., P.A.

SPECIALIST IN ORTHODONTICS  
CHILDREN & ADULTS



### WILSON ARCH

YOU ARE BEING GIVEN A SPECIAL KIND OF ORTHODONTIC ARCH WIRE CALLED A WILSON ARCH. THE PURPOSE OF THIS WIRE IS TO MOVE YOUR UPPER MOLARS BACK IN YOUR MOUTH, THUS AIDING IN THE OVERALL ORTHODONTIC CORRECTION OF YOUR BITE.

THE WILSON WIRE IS ATTACHED THROUGH THE LARGE TUBES ON THE UPPER FIRST MOLAR BAND. IT IS ALSO TIED INTO THE UPPER FRONT TEETH ONLY. THE SIDE TEETH (CUSPIDS AND BICUSPIDS) ARE NOT ENGAGED IN THE ARCH WIRE.

ONE OF THE COMPONENTS OF THE WILSON ARCH IS A SMALL SPRING IN FRONT OF THE FIRST MOLAR ON EITHER SIDE. THIS SPRING IS COMPRESSED AS THE ARCH WIRE IS TIED INTO THE TEETH. THE FORCE PRODUCED BY THE SPRING WILL EITHER PUSH THE UPPER MOLARS BACK OR PUSH THE UPPER FRONT TEETH OUT.

THE "PUSH OUT" OF THE UPPER FRONT TEETH IS PREVENTED THROUGH THE USE OF ELASTICS THAT ARE CONNECTED TO THE SMALL HOOKS ON THE WILSON ARCH WIRE AND ARE ALSO ATTACHED ON THE LOWER FIRST MOLAR BAND.

**THE ELASTICS MUST BE WORN 24 HOURS PER DAY IN ORDER TO PREVENT THE "PUSH OUT" OF THE UPPER INCISORS.**

THIS WILSON ARCH WIRE IS USUALLY WORN FOR 4 MONTHS AND RAPID CHANGES OCCUR IF THE ELASTICS ARE WORN PROPERLY BY THE PATIENT. IF YOU NOTICE A FLARING "PUSH OUT" OF THE UPPER FRONT TEETH OR IF THE WIRE BECOMES LOOSE IN THE MOUTH.... PLEASE CONTACT OUR OFFICE IMMEDIATELY.

NOTE: In contrast to most other orthodontic wires that you may have had, it is necessary for the Wilson arch to stick out of the molar bands. This is necessary to allow for the BACKWARD movement of these teeth as treatment progresses.

**NOTE: The springs in the back on the Wilson arch are active all the time. When you do not wear your elastics the springs are now pushing forward to flare your teeth. (Even for 5 minutes).**