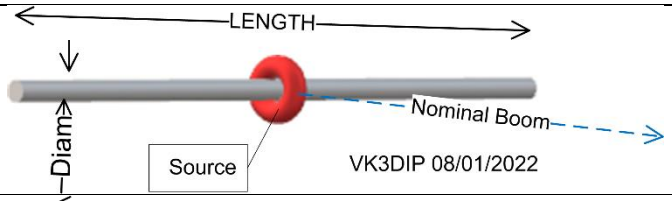
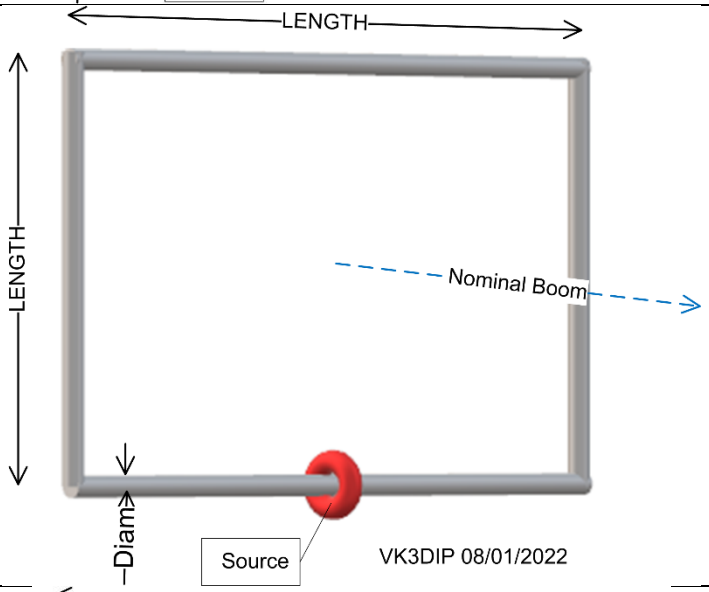
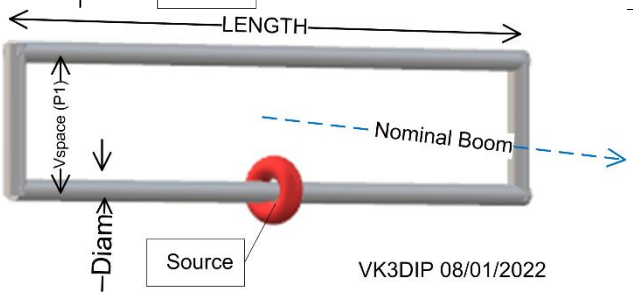
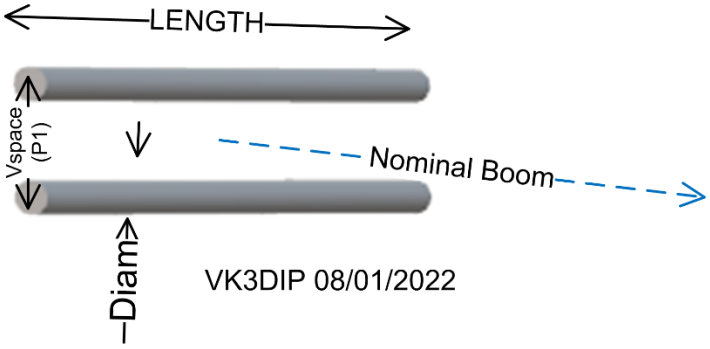
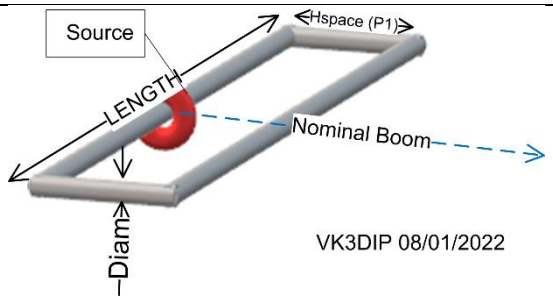
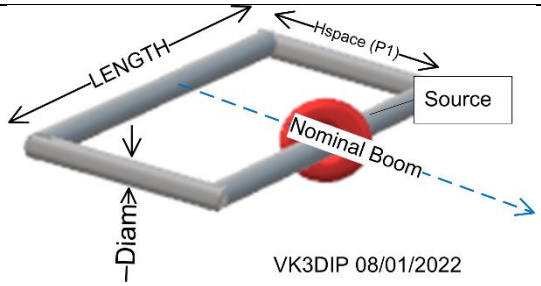
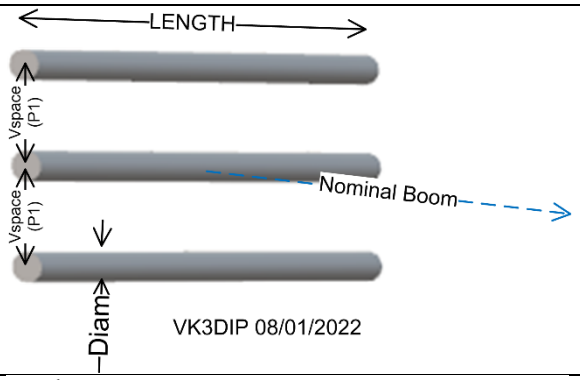
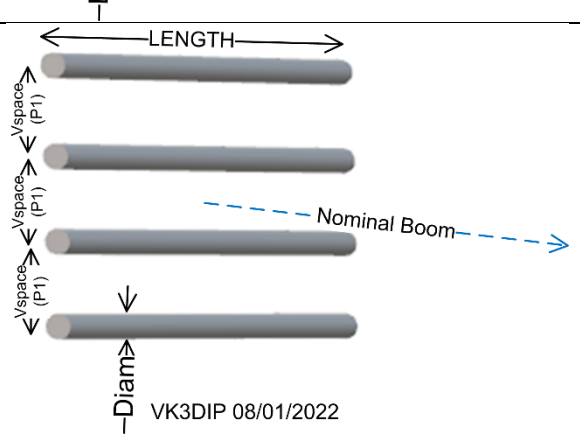
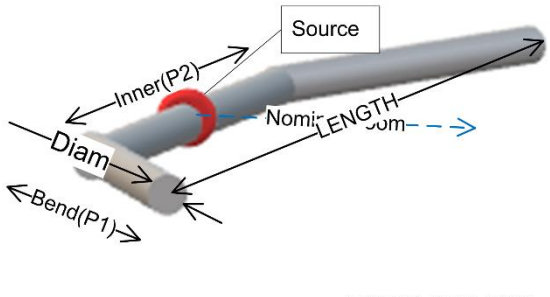
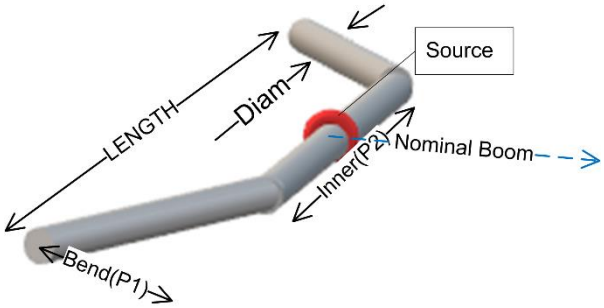
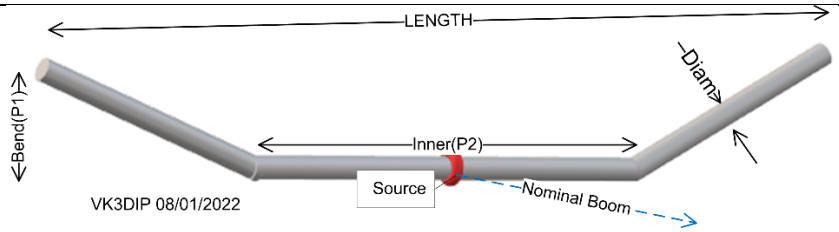
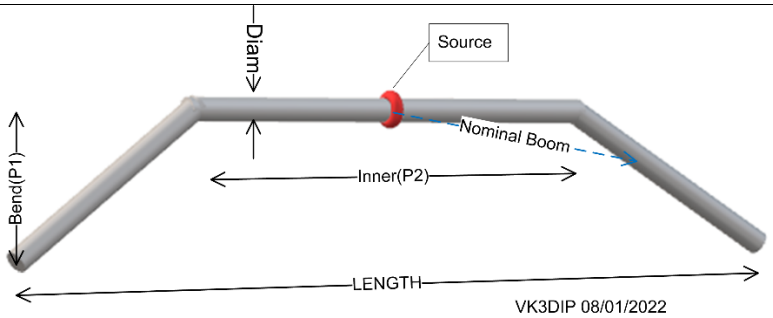
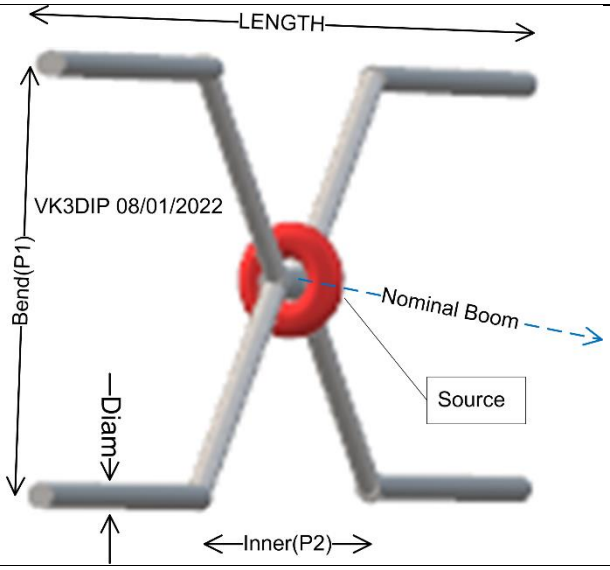
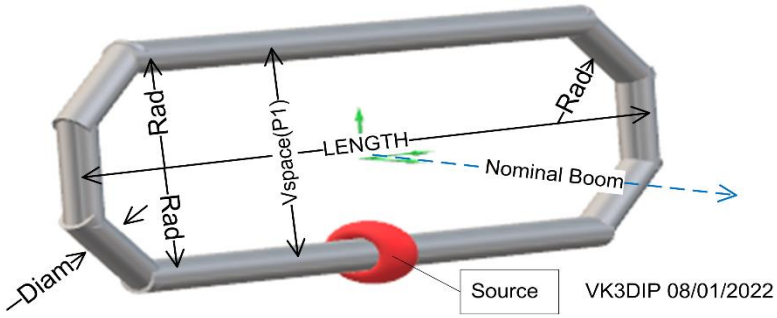
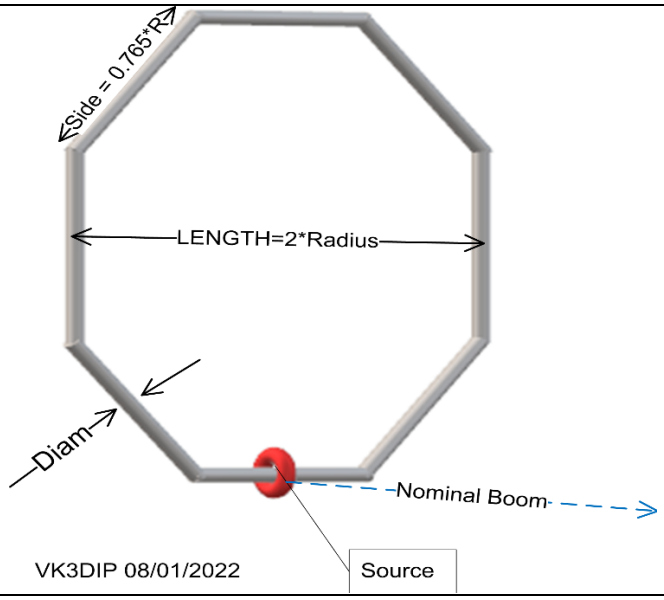
YagiCAD 6.3.x Element Library V1.1

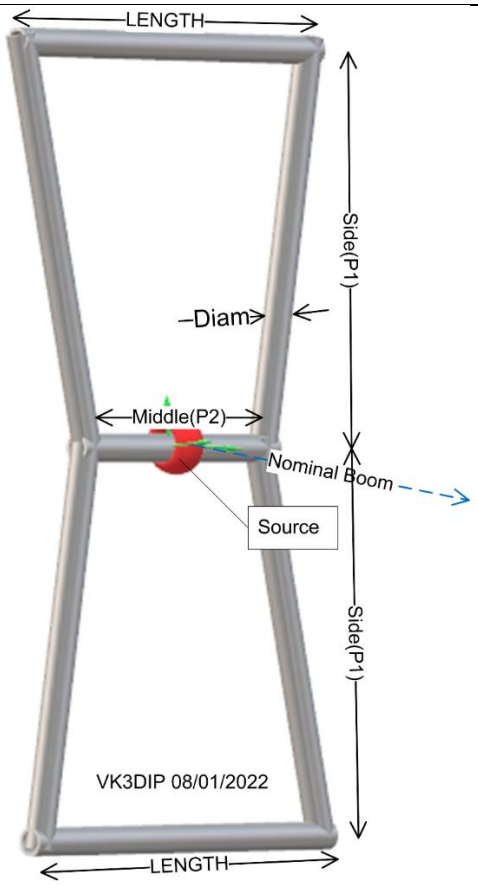
VK3DIP January 2022

Element Number	Element Name	Diagram	Description
0	Dipole		The default type, simple dipole element. Default Length = 0.48 λ
1	SQuad		A square quad shape centred on the nominal boom. Driven point mid lower section. Default Length = 0.27 λ
2	Folded		A simple square folded dipole distributed around nominal boom, Voltage source in lower wire. Default Length = 0.42 λ, Default VSpace = 0.075 λ
3	2Dipole		Two identical dipoles one above the other distributed above and below nominal boom. **A Passive element only**. Default Length = 0.48 λ, VSpace = 0.3 λ

4	FoldedFlatF		Square Folded Dipole laid flat (Horizontal). Driven wire at nominal spacing, other wire towards front of antenna. Nominal Boom through both elements. Default Length = 0.42 λ, HSpace = 0.075 λ
5	FoldedFlatB		Square Folded Dipole laid flat (Horizontal). Driven wire at nominal spacing , other wire towards back of antenna. Nominal Boom through both elements. Default Length = 0.42 λ, HSpace = 0.075 λ
6	3Dipole		Three identical dipoles above each other distributed above and below nominal boom. **A Passive element only**. Default Length = 0.48 λ, VSpace = 0.25 λ
7	4Dipole		Four identical dipoles above each other distributed above and below nominal boom. **A Passive element only**. Default Length = 0.48 λ, VSpace = 0.2 λ

8	BentDipF		Dipole with forward bend. In plain of nominal boom. Driven wire at nominal spacing , other wires bent towards front of antenna. Default Length = 0.38λ, Bend = 0.1 λ, Inner = 0.25 λ
9	BentDipB		Dipole with backwards bend. In plain of nominal boom. Driven wire at nominal spacing , other wires bent towards back of antenna. Default Length = 0.38 λ, Bend = 0.1 λ, Inner = 0.25 λ
10	BentDipU		Dipole with Upwards bend. Driven wire at nominal spacing , other wires bent up from antenna. Default Length = 0.38 λ, Bend = 0.1 λ, Inner = 0.25 λ
11	BentDipD		Dipole with Downwards bend. Driven wire at nominal spacing , other wires bent down from antenna. Default Length = 0.38 λ, BendD = 0.1 λ, Inner = 0.25 λ

12	BentX		X Shaped Dipole with bent arms. Driven wire at nominal spacing, other wires up and down from antenna. Default Length = 0.8 λ, Bend = 0.6 λ, Inner = 0.2 λ, Driven wire is fixed at 0.0125 λ.
13	RndFolded		Approx. rounded end folded dipole distributed around nominal boom, Voltage source in lower wire. Default Length = 0.42λ, Default VSpace = 0.058 λ, Rad(R) of end circles =P1/2 End segs each 0.765*R
14	RndLoop		Approx. rounded (Octagonal) loop on nominal boom, Voltage source in lower wire. Default Length = 0.32 λ, each octet side is 0.765*Radius

15	VarBowTie		**RSGB Style Skeleton Slot** LENGTH=0.19λ Middle(P2)= 0.19λ Side(P1) = 0.29λ **Dual Square Quad** LENGTH=0.25λ Middle(P2)= 0.25λ Side(P1)= 0.25λ **VK3DIP Semi-BowTie** LENGTH = 0.265λ Middle(P2)= 0.19λ Side(P1)= 0.3125λ Defaults to VK3DIP Semi-BowTie