CLAIMS:

1. A warhead nose comprising:

a conical/ogive body having an outer surface with a top circumference and base circumference, and ribs extending along the outer surface of the conical/ogive body tapering so that the circumference around the ribs is smaller than or equal to the circumference of the base, the warhead nose dimensions are determined by the following relations:

$$E \le D$$

$$\frac{1}{5}D \le F \le 2D$$

$$G \le \frac{1}{5}D$$

$$\frac{1}{20}D \le H \le \frac{1}{2}D$$

$$I \le \frac{2}{5}D$$

where,

D is maximum nose diameter;

E is external diameter of the ribs;

F is length of the ribs along the nose;

G is minimal width of the ribs

H is height of the rib protrusion; and

I is the minimal width of the rib at the adjoining point with the nose.

2. A warhead nose comprising:

a body comprising a cylindrical section and a conical/ogive section, an outer surface with a top circumference and base circumference, and ribs partially extending from the outer surface of the cylindrical section and partially from the conical section, wherein the circumference around the ribs is larger than the base

circumference and the top circumference, the warhead nose dimensions are determined by the following relations:

$$D \le E$$

$$\frac{1}{5}D \le F \le 2D$$

$$G \le \frac{1}{5}D$$

$$\frac{1}{20}D \le H \le \frac{1}{2}D$$

$$I \le \frac{2}{5}D$$

where,

D is maximum nose diameter;

E is external diameter of the ribs;

F is length of the ribs along the nose;

G is minimal width of the ribs

H is height of the rib protrusion; and

I is the minimal width of the rib at the adjoining point with the nose.

3. A warhead nose in accordance with any one of claims 1-2, wherein the ribs are equidistantly spaced apart.

4. A warhead nose in accordance with any one of claims 1-2, wherein the nose has a flat tip.

5. A warhead nose in accordance with any one of claims 1-2, wherein the nose has a concave tip.

6. A warhead nose in accordance with any one of claims 1-2, further comprising a boss the dimensions of which are determined by the following relations:

$$A \leq \frac{1}{2}D$$

$$B \leq \frac{1}{2}D$$

$$C \leq \frac{1}{2}D$$

where,

D is maximum nose diameter;

A is boss tip diameter;

B is boss base diameter;

C is boss height;

7. A warhead nose in accordance with claim 6, wherein the boss is either cylindrical and/or tapered.

8. A warhead comprising:

a nose of any one of claims 1-7;

a main section which includes an explosive charge; and

an aft section which holds at least one penetration or initiation fuse .

9. A warhead comprising:

a nose of any one of claims 1-8;

a main section which includes a payload.

CLAIMS:

1. A warhead nose comprising:

a conical/ogive body having an outer surface with a top circumference and base circumference, and ribs extending along the outer surface of the conical/ogive body tapering so that the circumference around the ribs is smaller than or equal to the circumference of the base, the warhead nose dimensions are determined by the following relations:

$$E \leq D$$

$$\frac{1}{5}D \leq F \leq 2D$$

$$G \leq \frac{1}{5}D$$

$$\frac{1}{20}D \leq H \leq \frac{1}{2}D$$

$$I \leq \frac{2}{5}D$$

where,

D is maximum nose diameter;

E is external diameter of the ribs;

F is length of the ribs along the nose;

G is minimal width of the ribs

H is height of the rib protrusion; and

I is the minimal width of the rib at the adjoining point with the nose;

wherein the warhead nose has a flat tip.

2. A warhead nose comprising:

a body comprising a cylindrical section and a conical/ogive section, an outer surface with a top circumference and base circumference, and ribs partially extending from the outer surface of the cylindrical section and partially from the conical section, wherein the circumference around the ribs is larger than the base

circumference and the top circumference, the warhead nose dimensions are determined by the following relations:

$$D \leq E$$

$$\frac{1}{5}D \leq F \leq 2D$$

$$G \leq \frac{1}{5}D$$

$$\frac{1}{20}D \leq H \leq \frac{1}{2}D$$

$$I \leq \frac{2}{5}D$$

where,

D is maximum nose diameter;

E is external diameter of the ribs;

F is length of the ribs along the nose;

G is minimal width of the ribs

H is height of the rib protrusion; and

I is the minimal width of the rib at the adjoining point with the nose.

3. A warhead nose in accordance with any one of claims 1-2, wherein the ribs are equidistantly spaced apart.

4. A warhead nose in accordance with claim 2, wherein the nose has a flat tip.

5. A warhead nose in accordance with claim 2, wherein the nose has a concave tip.

6. A warhead nose in accordance with any one of claims 1-2, further comprising a boss the dimensions of which are determined by the following relations;

$$A \leq \frac{1}{2} D$$

$$B \leq \frac{1}{2} D$$

$$C \leq \frac{1}{2} D$$

where,

D is maximum nose diameter;

A is boss tip diameter;

B is boss base diameter;

C is boss height.

7. A warhead nose in accordance with claim 6, wherein the boss is either cylindrical and/or tapered.

8. A warhead comprising:

a nose of any one of claims 1-7;

a main section which includes an explosive charge; and

an aft section which holds at least one penetration or initiation fuse.

9. A warhead comprising:

a nose of any one of claims 1-8;

a main section which includes a payload.