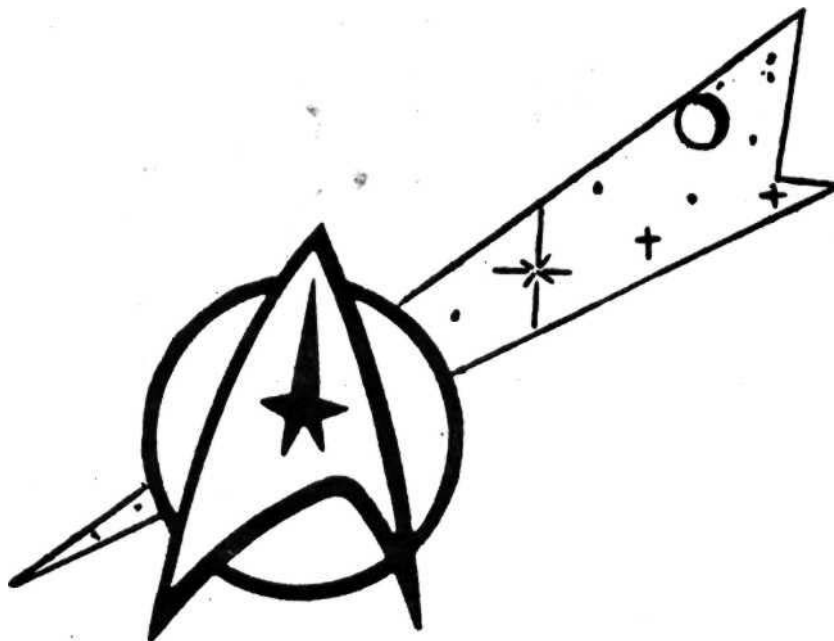


CLASSIFIED,

CLASSIFIED.

CLASSIFIED

STARFLEET HAND WEAPON
FAMILIARIZATION HANDBOOK



FOR STARFLEET USE ONLY.....FOR STARFLEET USE ONLY

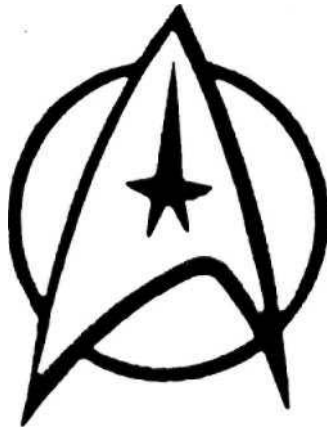
NOTE

THIS WEAPONS FAMILIARIZATION HANDBOOK
IS CLASSIFIED MATERIAL FOR USE BY STAR
FLEET PERSONNEL ONLY. AN UNAUTHORIZED
USE MAY RESULT IN DETAINMENT AND / OR
IMPRISONMENT UNDER PROVISIONS OF
FEDERATION STATUTE 3511.07, STARDATE
2533.



UNITED FEDERATION OF PLANETS

FEDERATION HAND WEAPONS



IT IS ESSENTIAL THAT STARFLEET
PERSONNEL BE AWARE OF THE VARIOUS
HAND WEAPONS WHICH MAY BE ENCOUNTERED,
IT IS HOPED THAT THIS HANDBOOK WILL
AID IN WEAPON IDENTIFICATION OF THE
MOST COMMONLY SEEN HAND WEAPONS AND
KNOWLEDGE OF THEIR CAPABILITIES.

PHASER TYPE 1

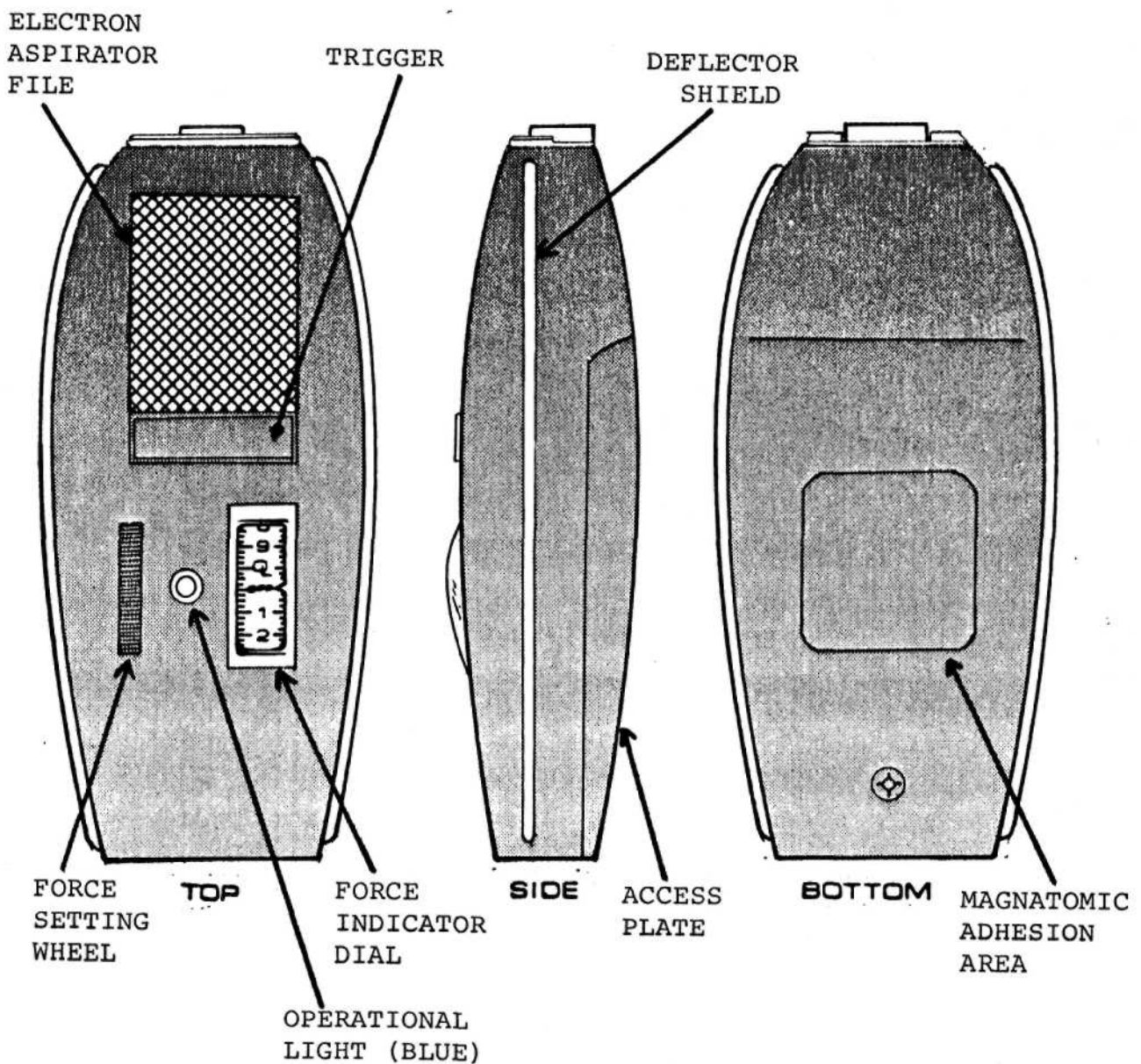
THE PHASER TYPE 1 WAS FOR MANY YEARS THE MAINSTAY OF FEDERATION PERSONAL WEAPONRY: ALTHOUGH BOTH TYPE 1 AND TYPE 2 PHASERS ARE SLOWLY BEING REPLACED BY THE MORE POWERFUL PHASER TYPE 3, MANY TYPE ONE PHASERS ARE STILL IN USE BY FEDERATION FORCES. BY ITSELF, THE TYPE 1 PHASER IS AN EASILY CARRIED, COMPACT WEAPON, WHICH STILL PACKS ENOUGH POWER FOR MOST PURPOSES: WHEN COMBINED WITH A PHASER TYPE 2 SHELL, THE TYPE ONE PHASER BECOMES ONE OF THE MOST FORMIDABLE HAND WEAPONS EVER CARRIED.

FOR PHASER TYPE ONE DIAGRAMS AND SPECIFICATIONS PLEASE SEE THE FOLLOWING PAGE.

HAND PHASER TYPE I

EFF. RANGES IN METERS

OVERLOAD BLAST RADIUS ...	40
DE-MATERIALIZE	10
DISRUPT.....	20
HEAT	2
STUN	30



PHASER TYPE 2

PHASER TYPE 1 AND PHASER TYPE 2 ARE PRESENTLY BEING PHASED OUT BY STARFLEET COMMAND AND ARE BEING REPLACED BY THE UPGRADED AND MORE STREAMLINED PHASER TYPE 3: HOWEVER, THE COST OF EACH WEAPON AND THE NUMBER OF HAND WEAPONS PRESENTLY IN THE FIELD MEAN THAT THE TYPE 2 PHASER WILL BE IN USE IN SOME PORTION OF STARFLEET FOR YEARS TO COME. MANY MEMBERS OF STARFLEET ARE, IN FACT, HAPPY ABOUT THIS FOR THE PHASER TYPE 2 HAS BEEN A DEPENDABLE AND USEFUL WEAPON: IN COMBINATION WITH THE TYPE ONE PHASER IT HAS PROVIDED BOTH PROTECTION AND SAFETY TO FEDERATION SOLDIERS AND CIVILIANS FOR NEARLY 10 0 TERRAN YEARS. WITH A STUN RANGE OF NINETY METERS AND A DE-MATERIALIZE RANGE OF THIRTY METERS, THE TYPE 2 PHASER HAS AGAIN AND AGAIN PROVED ITSELF A RELIABLE AND . DEPENDABLE WEAPON. LONG AFTER THE LAST TYPE 2 PHASER IN USE HAS BEEN REPLACED BY A PHASER TYPE 3, STARFLEET WILL OWE THIS WEAPON A DEBT OF GRATITUDE, FOR WITHOUT IT, GALACTIC EXPLORATION AND FEDERATION DEFENSE MAY HAVE PROVEN MUCH MORE DIFFICULT.

FOR PHASER TYPE 2 DIAGRAMS AND SPECIFICATIONS SEE THE FOLLOWING 2 PAGES.

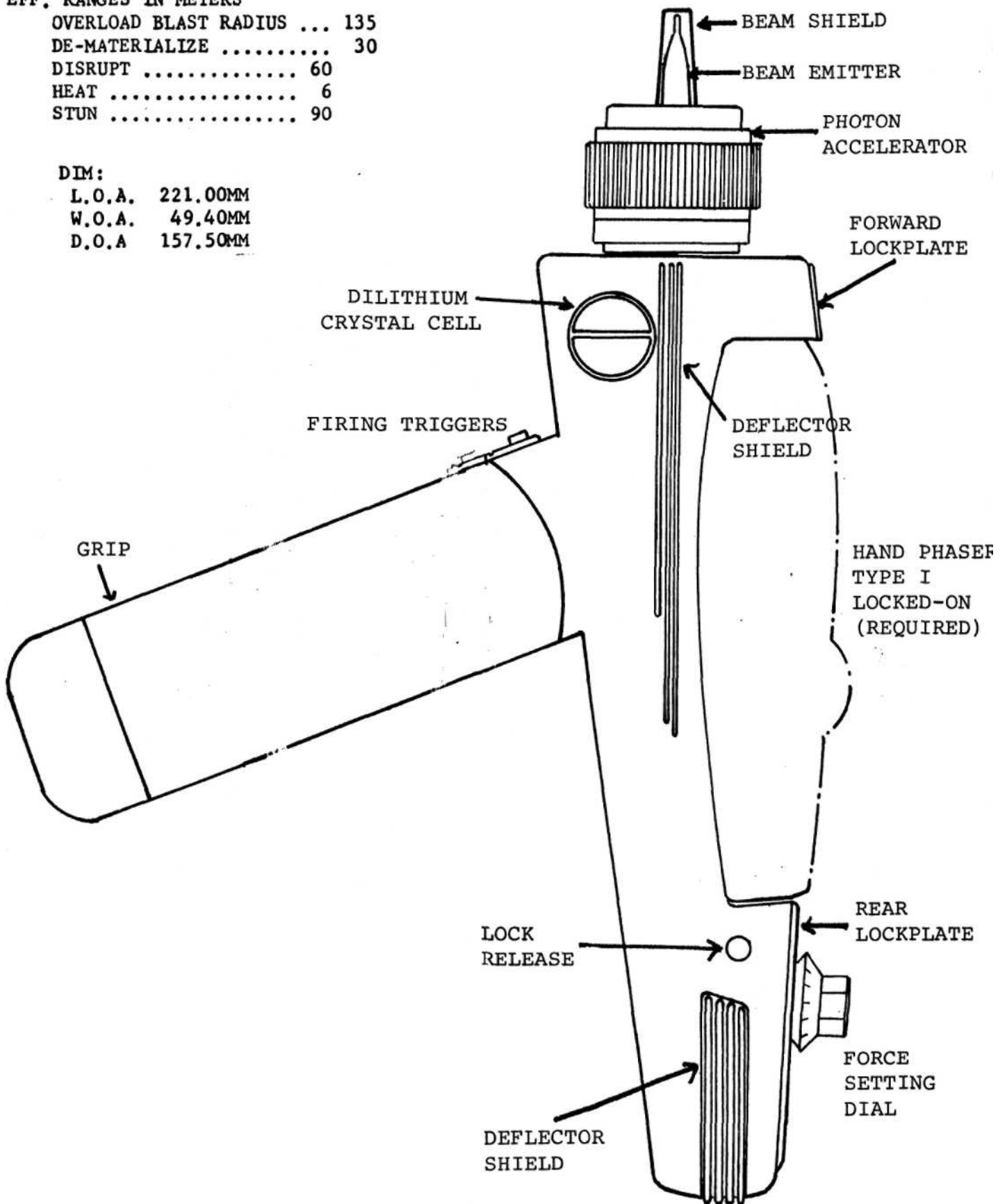
HAND PHASER-TYPE II

EFF. RANGES IN METERS

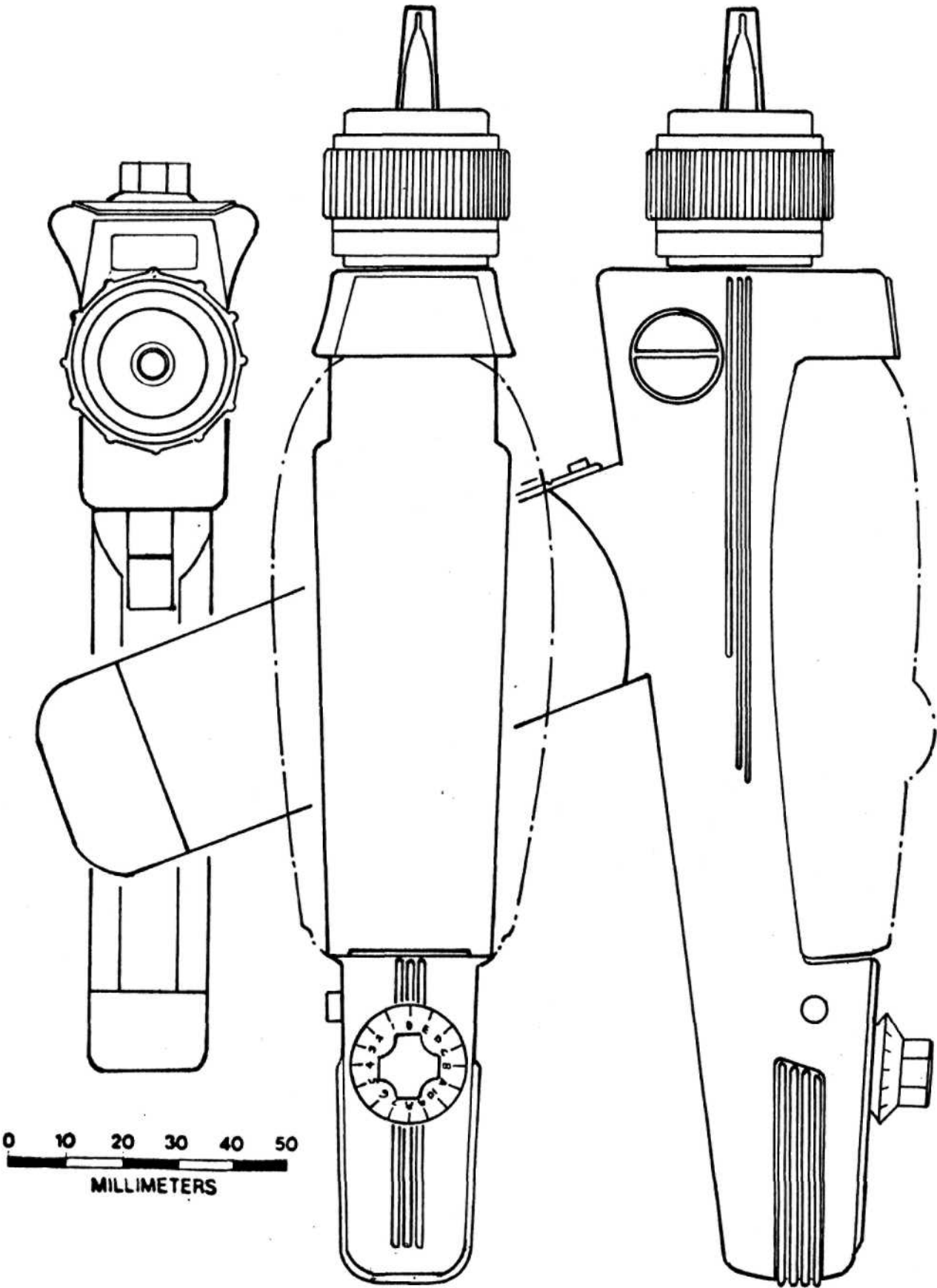
OVERLOAD BLAST RADIUS ...	135
DE-MATERIALIZE	30
DISRUPT	60
HEAT	6
STUN	90

DIM:

L.O.A.	221.00MM
W.O.A.	49.40MM
D.O.A	157.50MM



HAND PHASER-TYPE II



PHASER TYPE 3

THE PHASER TYPE 3 REPRESENTS SOME MAJOR UPGRADING AND REVISION IN FEDERATION HAND WEAPONRY: ALREADY IN USE BY PERSONNEL ON CONSTITUTION CLASS STARSHIPS (THE U.S.S. ENTERPRISE, THE U.S.S. EXETER, ETC.), THE TYPE 3 PHASER WILL EVENTUALLY BE THE MAJOR HAND WEAPON FOR ALL FEDERATION PERSONNEL: THE WEAPON IS MORE POWERFUL THAN A TYPE 2 PHASER AND ALSO ELIMINATES THE NEED FOR THE DUALITY OF THE TYPE 1 AND THE TYPE 2 PHASER, BECAUSE IN ADDITION TO HAVING MORE 'PUNCH' THAN A TYPE 2 PHASER, THE TYPE 3 IS STREAMLINED, SO THAT IT IS EASIER TO CARRY THAN A TYPE 2. A DRAMATICALLY UPGRADED POWERCELL PROVIDES MORE PHASER SHOTS PER PHASER CHARGE AND ALSO INCREASES PHASER EFFECTIVENESS SUBSTANTIALLY. BOTH IN LABORATORY TESTING AND IN FIELD USE ON THE CONSTITUTION CLASS SPACE SHIPS , THE PHASER TYPE 3 HAS PROVEN TO BE AN EFFECTIVE PERSONAL WEAPON WHICH IS A LOGICAL EXTENSION OF FEDERATION TECHNOLOGY AND CAPABILITIES.

FOR PHASER TYPE 3 DIAGRAMS AND SPECIFICATIONS, PLEASE SEE THE FOLLOWING 2 PAGES.

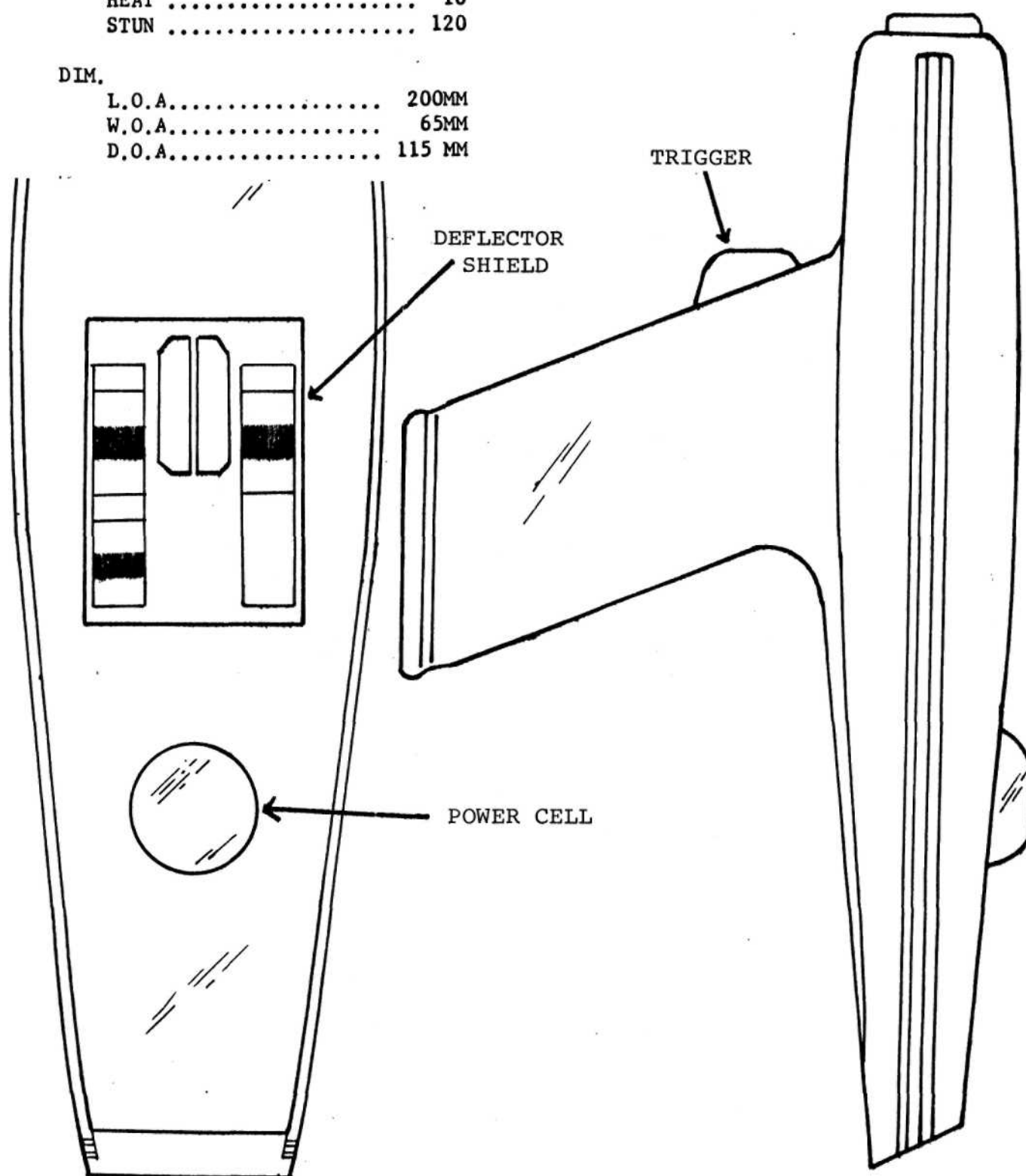
HAND PHASER-TYPE III

EFF. RANGES IN METERS

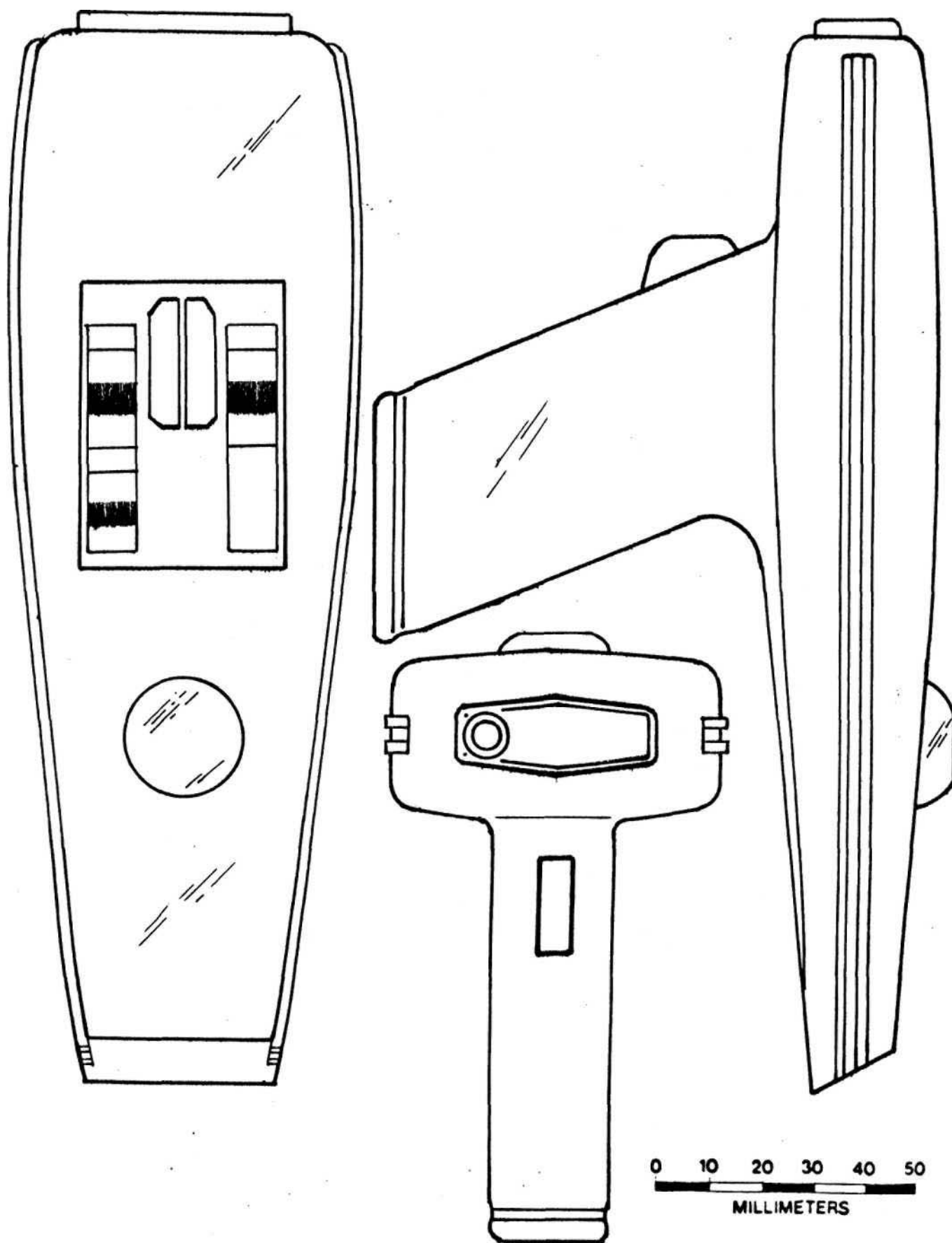
OVERLOAD BLAST RADIUS	150
DE-MATERIALIZE	43
DISRUPT	70
HEAT	10
STUN	120

DIM.

L.O.A.....	200MM
W.O.A.....	65MM
D.O.A.....	115 MM



HAND PHASER-TYPE III



PHASER RIFLE

THE PHASER RIFLE IS THE MOST POWERFUL HAND-CARRIED WEAPON USED BY STARFLEET PERSONNEL. INDEED, SMALLER WEAPONS (PHASER 1, PHASER 2, PHASER 3) USUALLY PROVIDE AMPLE PROTECTION AND OFFENSIVE CAPABILITY: HOWEVER, ALL FEDERATION STARSHIPS CARRY A NUMBER OF PHASER RIFLES, WHICH CAN BE ISSUED TO PERSONNEL AS THE NEED ARISES. THE OCCASSIONS ON WHICH PHASER RIFLES HAVE HAD TO BE USED HAVE BEEN RARE, BUT HAVE OCCURED ENOUGH TO MAKE THE STARFLEET PERSONNEL INVOLVED RELIEVED TO HAVE THE WEAPON.

THE PHASER RIFLE IS VALUEABLE AS A DEFENSIVE/ OFFENSIVE WEAPON BECAUSE OF ITS EFFECTIVE WORKING RANGES: IT CAN STUN AT 200 METERS AND CAN DISRUPT AT 175 METERS: FOR CLEARING OBJECTS OR PATHWAYS, ITS EFFECTIVE DE-MATERIALIZATION RANGE IS 80 METERS, WHICH IS ALMOST TWICE THE RANGE OF A TYPE 2 PHASER. THE MAJOR PROBLEM WITH THE PHASER RIFLE, IF IT HAS ONE, WOULD SIMPLY BE THE FACT THAT IT IS MUCH HEAVIER AND BULKIER TO CARRY AROUND THAN A TYPE 1,2, OR 3 PHASER: AND WHEN DEALING WITH ATMOSPHERIC CHANGES, UNEXPLORED WORLDS, AND THE LIKE, STARSHIP PERSONNEL HAVE GENERALLY OPTED FOR THE EASE AND CONVENIENCE OF THE SMALLER HAND WEAPONS.

FOR PHASER RIFLE DIAGRAMS AND SPECIFICATIONS PLEASE SEE THE FOLLOWING 2 PAGES.

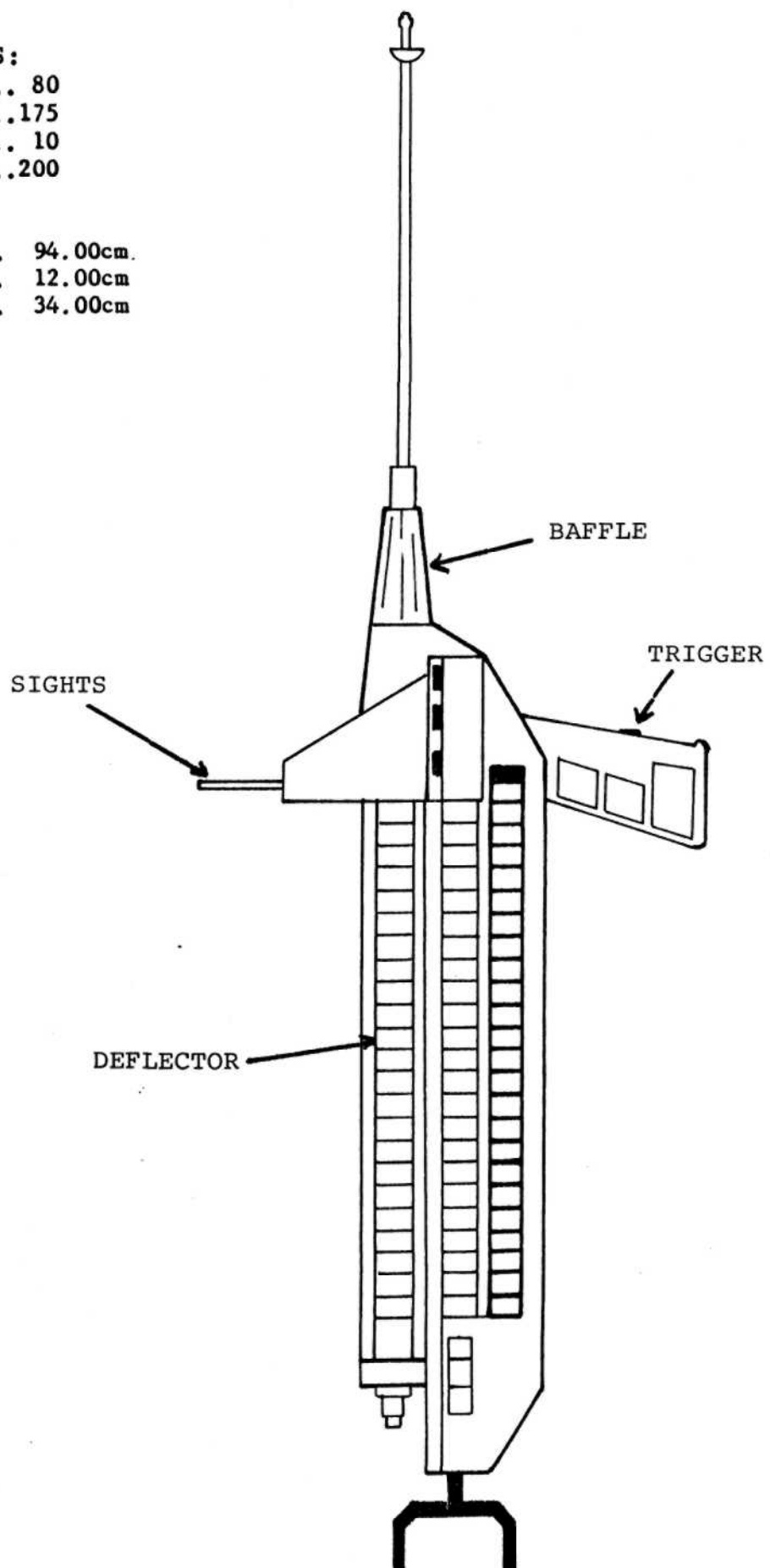
PHASER RIFLE

EFF. RANGES IN METERS:

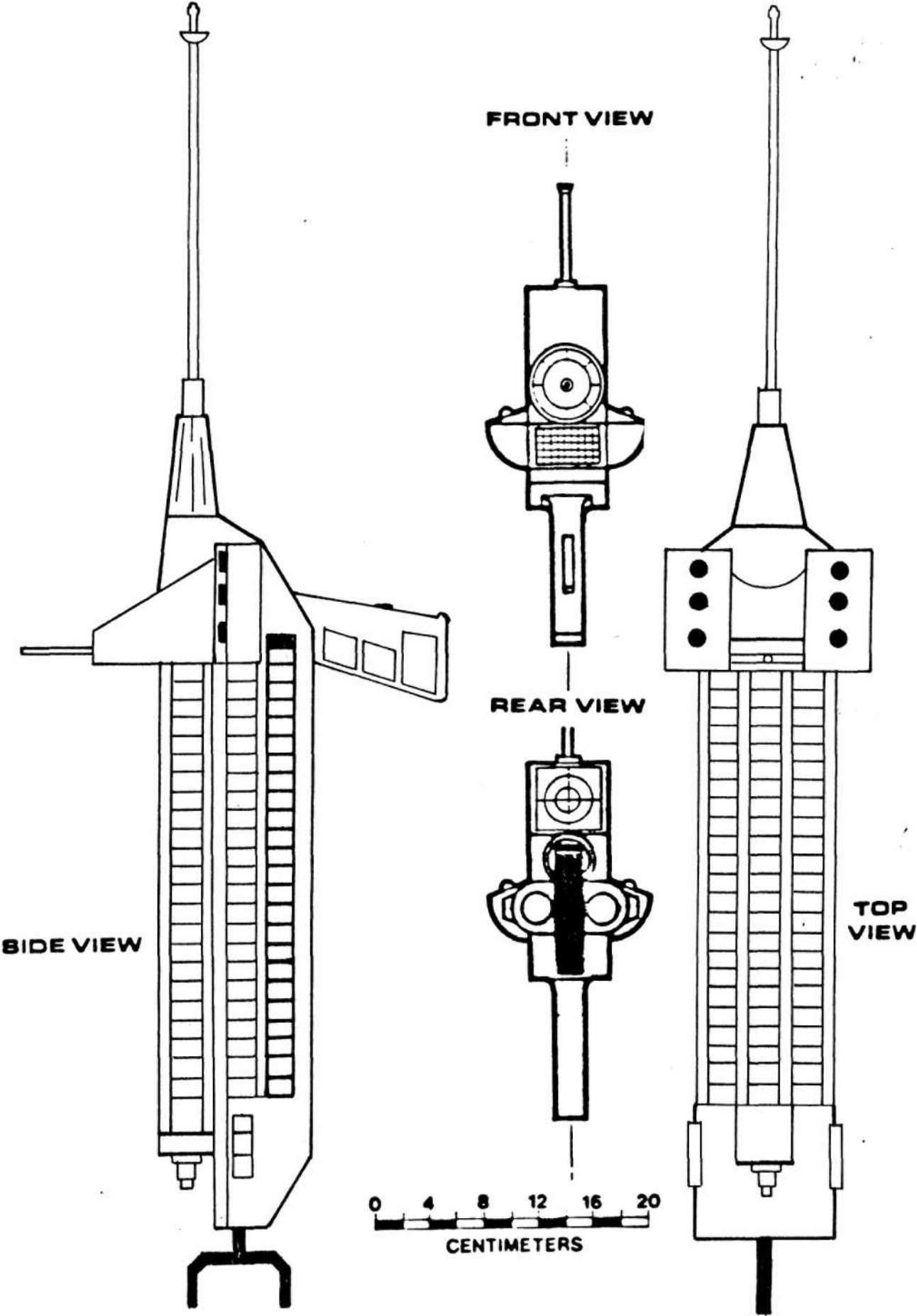
DE-MATERIALIZER		80
DISRUPT		175
HEAT		10
STUN		200

DIM.

L.O.A.		94.00cm.
W.O.A.		12.00cm
D.O.A.		34.00cm



PHASER RIFLE



OFFENSIVE/ DEFENSIVE RAY GUN

THE OFFENSIVE/DEFENSIVE RAY GUN IS CARRIED AS AN AUXILLIARY WEAPON ON MANY HEAVY CRUISER AND DESTROYER CLASS STARSHIPS BUT THE WEAPON HAS SEEN LIMITED USE, DUE TO THE LACK OF A CLEAR NEED: WHEN SHEER POWER IS NEEDED BY CREWMEMBERS OR STARFLEET PERSONNEL, PHASER RIFLES ARE GENERALLY AVAILABLE: WHEN THE SHEER POWER IS NOT NEEDED, HAND PHASERS ARE NORMALLY CARRIED. THE RAY GUN DOES, HOWEVER, HAVE THE ADVANTAGE OVER THE PHASER RIFLE IN THAT IT IS MUCH SMALLER: HOWEVER, THIS ADVANTAGE IS OFFSET BY THE FACT THAT THE RAY GUN IS ALSO SOMEWHAT LESS POWERFUL.

ONE SIGNIFICANT NOTE ABOUT THE OFFENSIVE/ DEFENSIVE RAY GUN IS THAT IT HAS MUCH MORE OF A 'WIDENING FIELD EFFECT' THAN NORMAL PHASER FIRE DOES: WHEN SET ON OFFENSIVE (DISRUPT), FOR EXAMPLE, THE RAY GUN WILL DISRUPT EVERYTHING WITHIN A 3 METER AREA (AT A RANGE OF 90 METERS): A PHASER AT THE SAME RANGE WILL DISRUPT A MUCH MORE PINPOINTED AREA.

FOR RAY GUN DIAGRAMS AND SPECIFICATIONS, PLEASE SEE THE FOLLOWING PAGE.

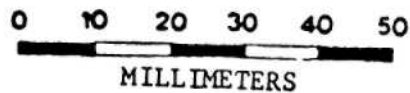
RAY GUN

OFFENSIVE/DEFENSIVE AREA WEAPON

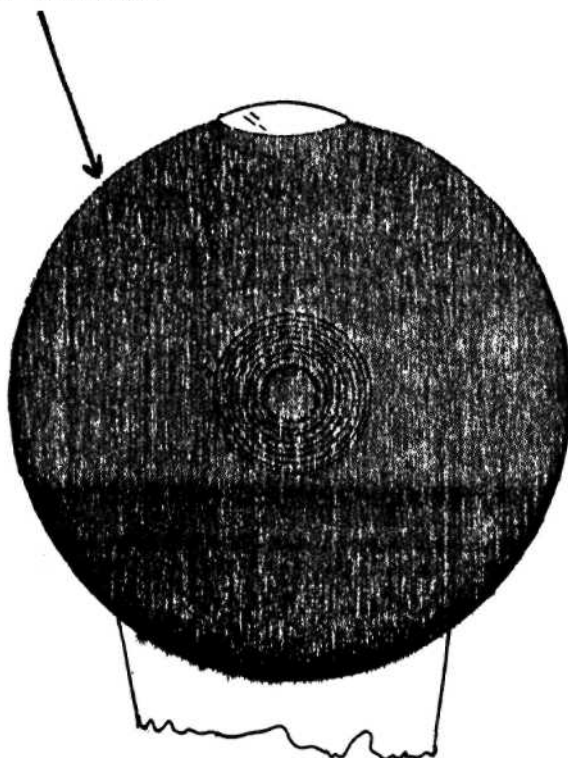
SPECIFICATION

MODEL: TYPE 1

OFFENSIVE (DISRUPT) RANGE (M)	90
EFFECTIVE AREA AT RANGE (M)	3
DEFENSIVE (STUN) RANGE (M)	180
EFFECTIVE AREA AT RANGE (M)	8
LENGTH OVERALL (CM)	23.5
MAXIMUM DIAMETER (CM)	8.4
WEIGHT (GM)	630



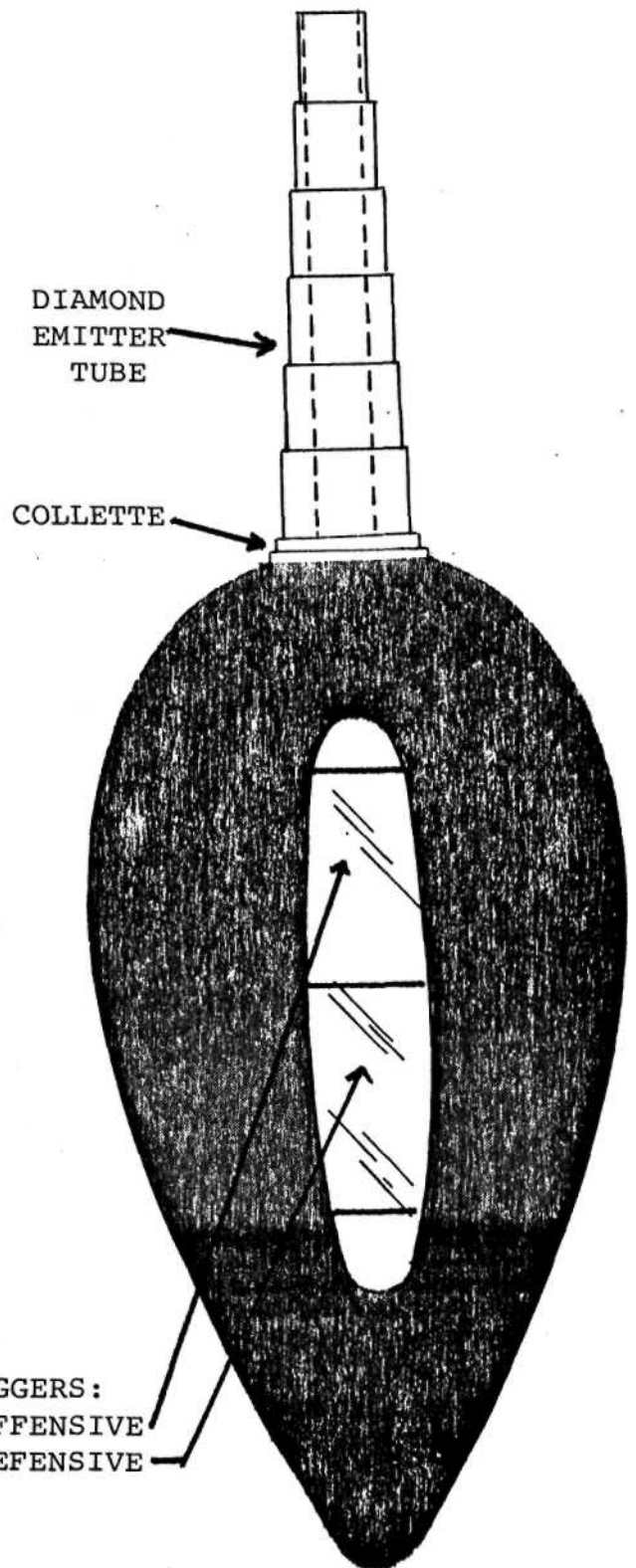
BODY HOUSING



DIAMOND
EMITTER
TUBE

COLLETTE

TRIGGERS:
OFFENSIVE
DEFENSIVE



40MM HAND LASER

PRIOR TO THE ADVENT OF PHASER TECHNOLOGY, THE 40MM HAND LASER WAS THE PRIMARY HAND WEAPON OF STARFLEET FORCES THROUGHOUT FEDERATION SPACE: ALTHOUGH PHASED OUT BY STARFLEET WHEN THE MORE POWERFUL AND LESS BULKY PHASER BECAME AVAILABLE, THE 40MM HAND LASER IS STILL IN COMMON USE ON MANY FEDERATION WORLDS AND BY MANY INTERPLANETARY TRADERS. STARFLEET PERSONNEL SHOULD KEEP IN MIND THAT ALTHOUGH THE TECHNOLOGY IS DATED, AT A RANGE OF 50 METERS OR LESS. THE HAND LASER IS JUST AS DEADLY AS A FULLY CHARGED PHASER SET ON KILL: INDEED, THE LASER IS PERHAPS EVEN MORE DEADLY, BECAUSE THE USER OF A 40MM HAND LASER CANNOT SET IT ON 'STUN' - IF IT HITS YOU IT WILL DESTROY YOU: IF IT MERELY GRAZES YOU, YOU COULD LOSE AN ARM OR LEG.

THOUSANDS OF HAND LASERS ARE STILL IN USE IN FEDERATION SPACE: MANY OF THE USERS ARE CIVILIAN PERSONNEL OR PLANETARY MILITIA: CONSEQUENTLY, IT IS ADVISABLE TO BE FAMILIAR WITH THIS WEAPON.

NOTE: DEVELOPMENT OF LASER TECHNOLOGY SEEMS TO BE A NORMAL PHASE OF PLANETARY CIVILIZATION EVOLUTION: ERGO, IN MANY CASES, NEWLY CONTACTED CIVILIZATIONS MAY USE SOME VERSION OF A HAND LASER WEAPON AS YET UNKNOWN TO STARFLEET. SHOULD YOU COME ACROSS SUCH A WEAPON, PLEASE FILE REPORT 1723.7 WITH STARFLEET WEAPONS DIVISION.

FOR 40MM HAND LASER DIAGRAMS AND SPECIFICATIONS PLEASE SEE THE FOLLOWING 2 PAGES.

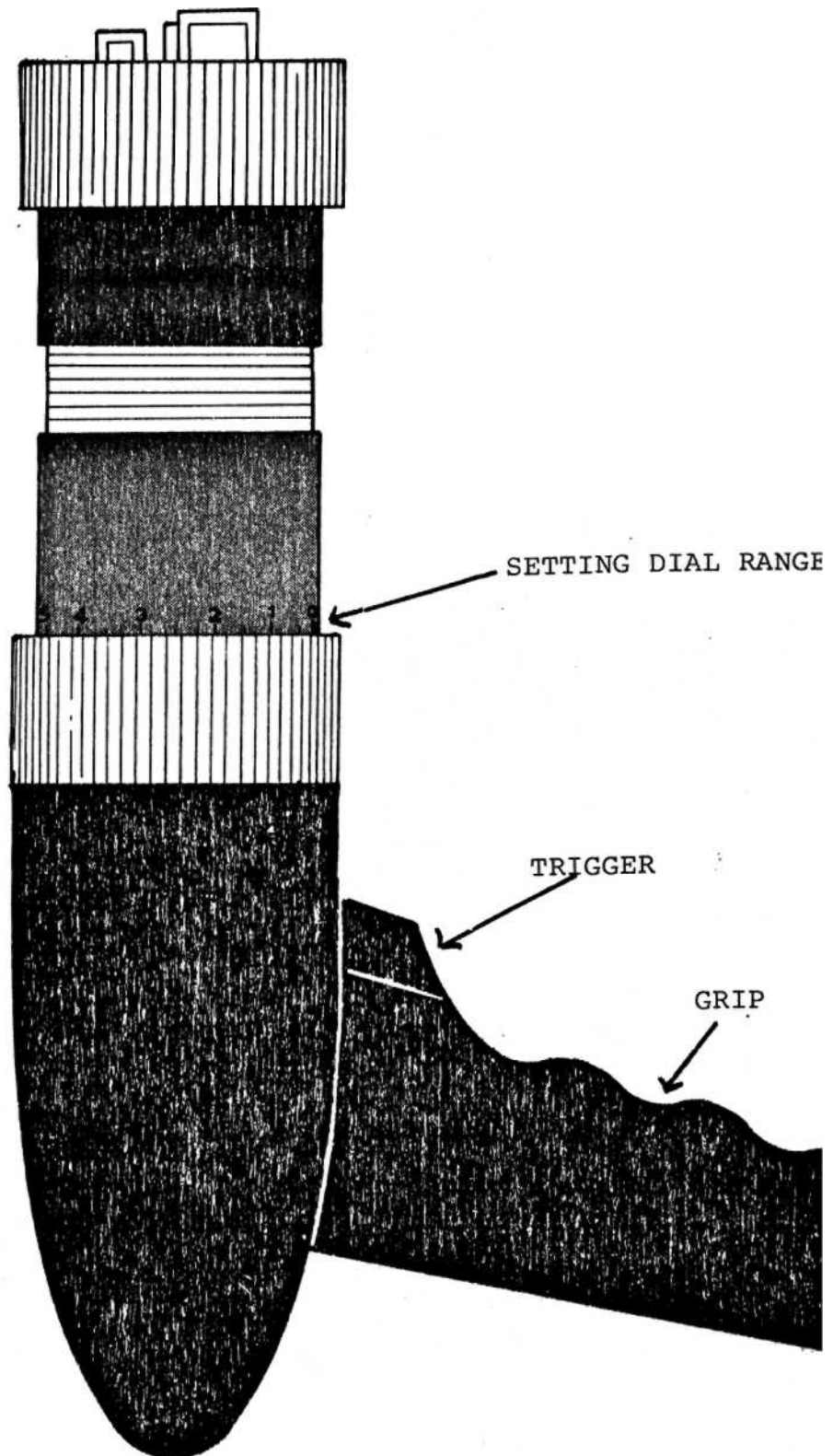
40 MM HAND LASER

EFF. RANGES IN METERS:

HEAT 10
DE-MATERIALIZE 50

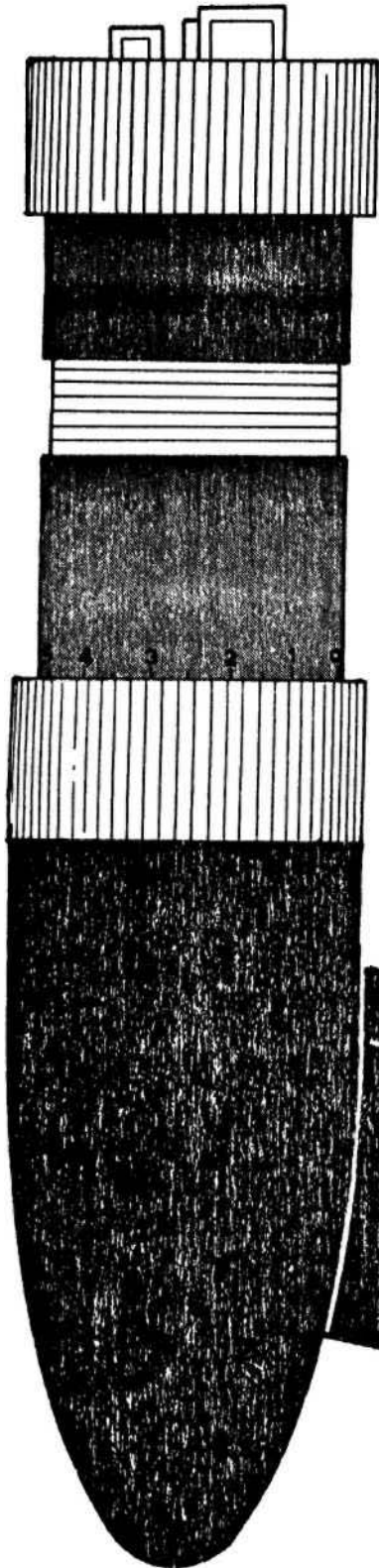
DIM.

L.O.A. 205mm
W.O.A. 48mm
D.O.A. 125mm

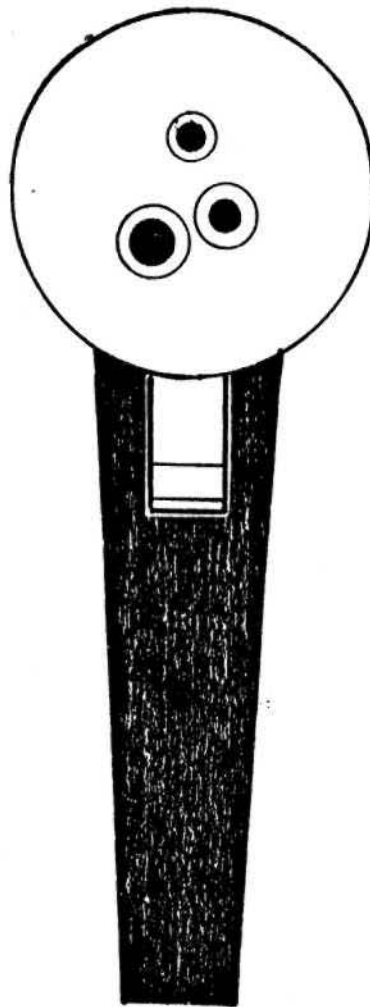


40 MM HAND LASER

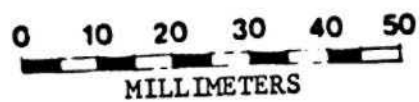
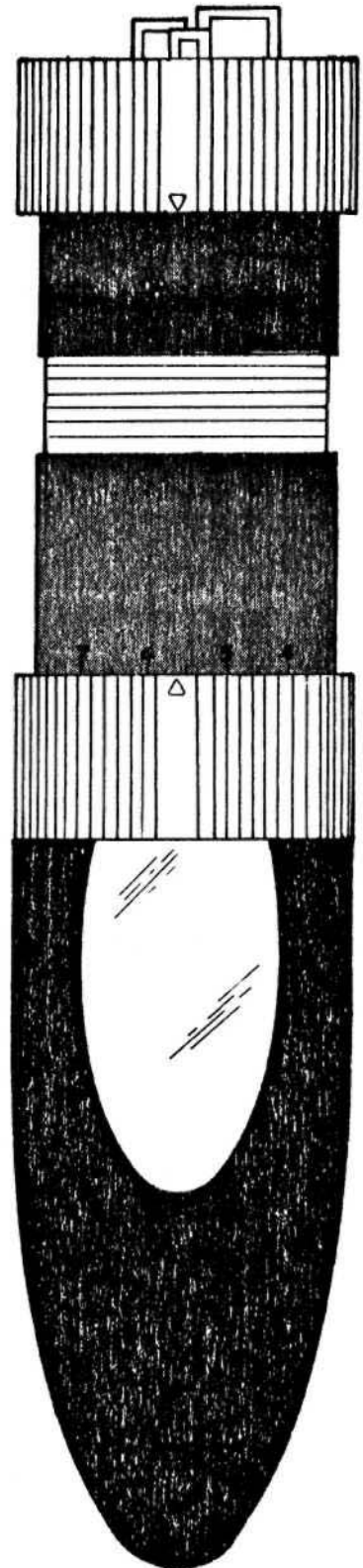
SIDE VIEW



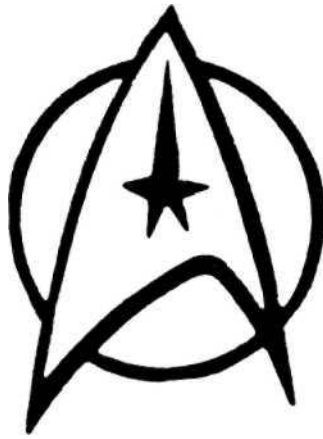
FRONT VIEW



TOP VIEW



NON-FEDERATION HAND WEAPONS



KLINGON SONIC DISRUPTER

THE KLINGON SONIC DISRUPTER PISTOL IS THE KLINGON BASIC FIELD ISSUE HAND WEAPON: BASED ON SONIC DISRUPTION/DEFRACTION PRINCIPLES, IT CAN DISRUPT AT 55 METERS AND DE-MATERIALIZE BEINGS/OBJECTS AT 35 METERS. FOR EACH OF THESE FUNCTIONS ITS EFFECTIVENESS IS MORE OR LESS THE SAME AS A PHASER TYPE 2; OF SIGNIFICANCE, HOWEVER, IS THE FACT THAT THE WEAPON HAS NO 'STUN' MODE: ALTHOUGH IT WOULD BE TECHNICALLY FEASIBLE TO BUILD A STUN FACTOR INTO THE DISRUPTER, THE KLINGONS DO NOT TAKE PRISONERS IN MOST CIRCUMSTANCES, AND HAVE NEVER SEEN ANY REDEEMING REASONS FOR INCORPORATING A 'STUN' MODE INTO THEIR WEAPONS.

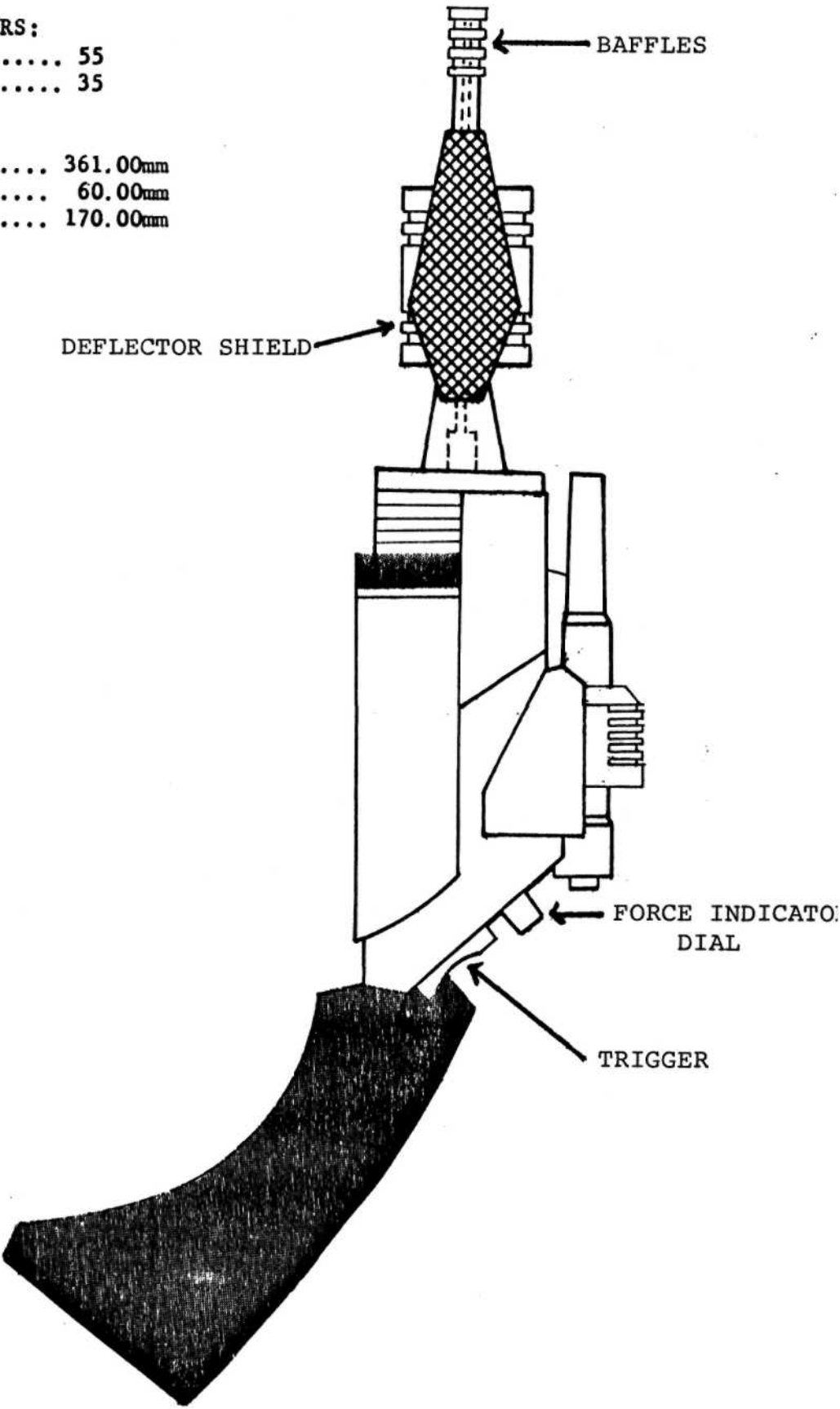
THE SONIC DISRUPTER IS A STANDARD KLINGON IMPERIAL NAVY FIELD ISSUE ITEM: ALTHOUGH THE KLINGONS ALSO OCCASIONALLY EMPLOY A SONIC DISRUPTER RIFLE, IT IS, TO THE BEST INTELLIGENCE AVAILABLE, NOT IN COMMON FIELD USE.

FOR SONIC DISRUPTER DIAGRAMS AND SPECIFICATIONS PLEASE SEE THE FOLLOWING 2 PAGES.

KLINGON SONIC DISRUPTER PISTOL

EFF. RANGES IN METERS:
DISRUPT 55
DE-MATERIALIZE 35

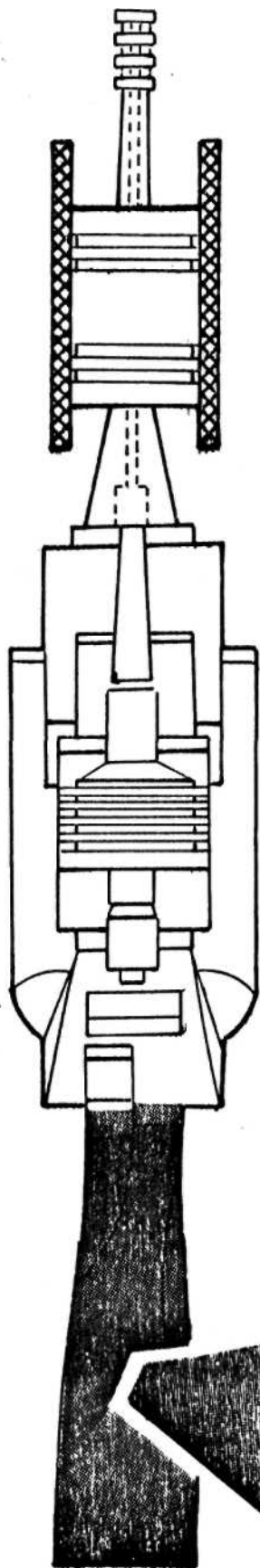
DIM:
L.O.A. 361.00mm
W.O.A. 60.00mm
D.O.A. 170.00mm



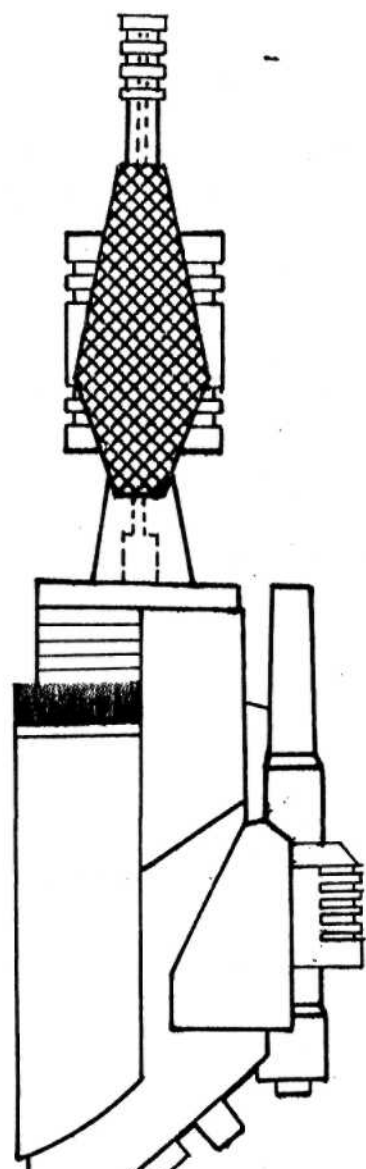
KLINGON SONIC DISRUPTER PISTOL

STANDARD FIELD EQUIPMENT ITEM

TOP VIEW



SIDE VIEW



0 20 40 60 80
MILLIMETERS

ROMULAN DISRUPTER

THE ROMULAN DISRUPTER IS A STANDARD ROMULAN MILITARY FIELD ISSUE ITEM, AND OPERATES ON MUCH THE SAME TECHNOLOGY BASE AS THE KLINGON SONIC DISRUPTER. ALSO LIKE THE KLINGON WEAPON, IT CAN BE SET FOR DISRUPT OR DE-MATERIALIZE ONLY, AND CANNOT BE USED TO STUN AN OPPONENT FOR CAPTURE.

THE ROMULAN DISRUPTER IS A MORE COMPACT HAND WEAPON THAN ANY WEAPON IN COMMON USE EXCEPT THE FEDERATION PHASER TYPE 1, BUT IS ALSO LESS EFFECTIVE THAN MOST OTHER COMMONLY USED HAND WEAPONS.

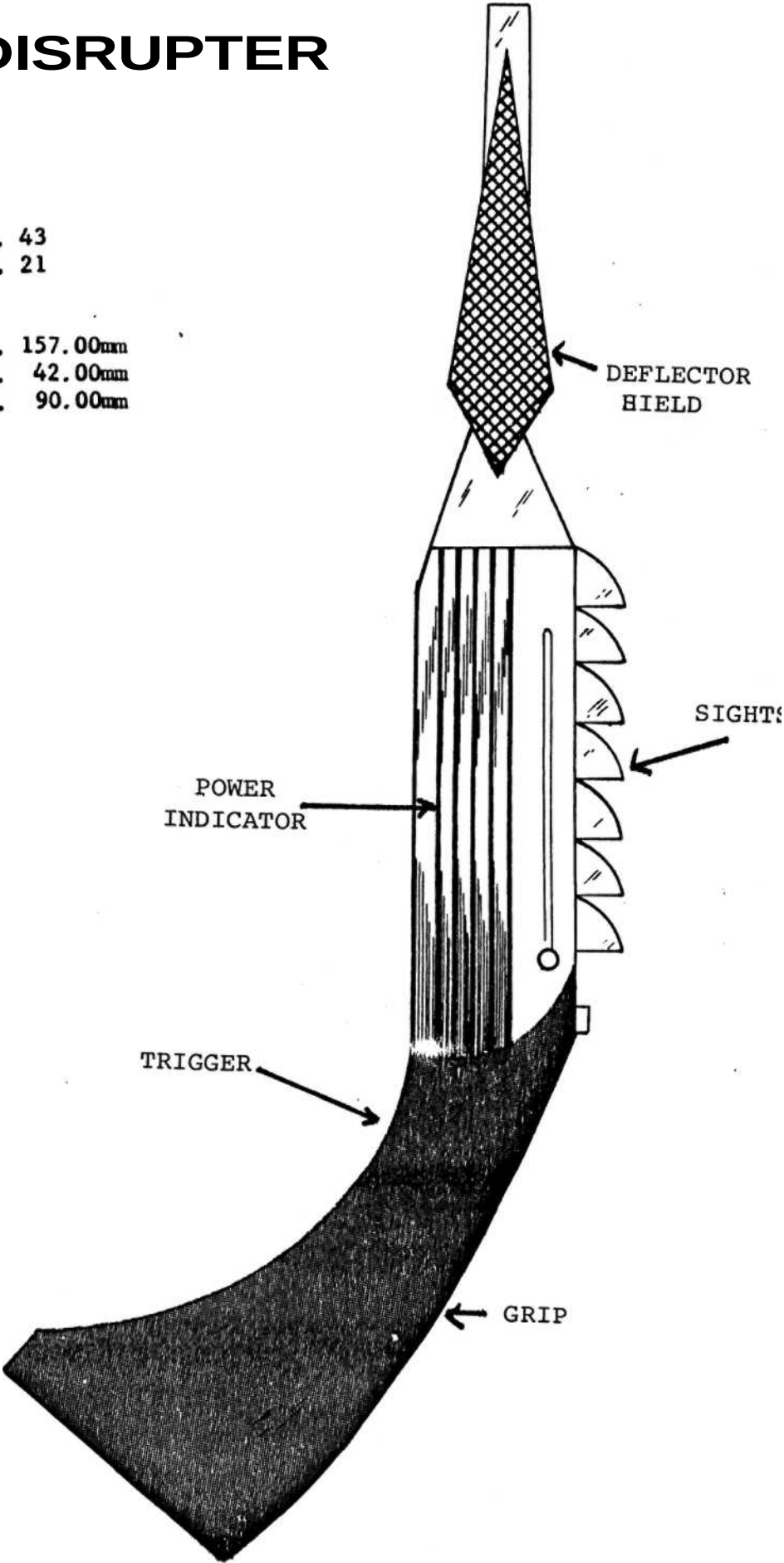
INTELLIGENCE REPORTS INDICATE THAT THE ROMULAN SPACE NAVY HAS DEVELOPED AND IS TESTING A NEW HAND WEAPON TO REPLACE THE DISRUPTER, BUT THIS WEAPON HAS NOT, TO DATE BEEN RELEASED FOR NORMAL FIELD USE.

FOR ROMULAN DISRUPTER DIAGRAMS AND EFFECTIVE RANGE SPECIFICATIONS, PLEASE REFER TO THE FOLLOWING 2 PAGES.

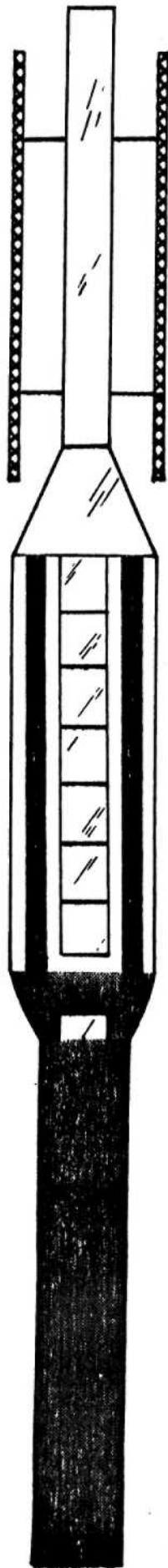
ROMULAN DISRUPTER

EFF. RANGES IN METERS:
DISRUPT 43
DE-MATERIALIZE 21

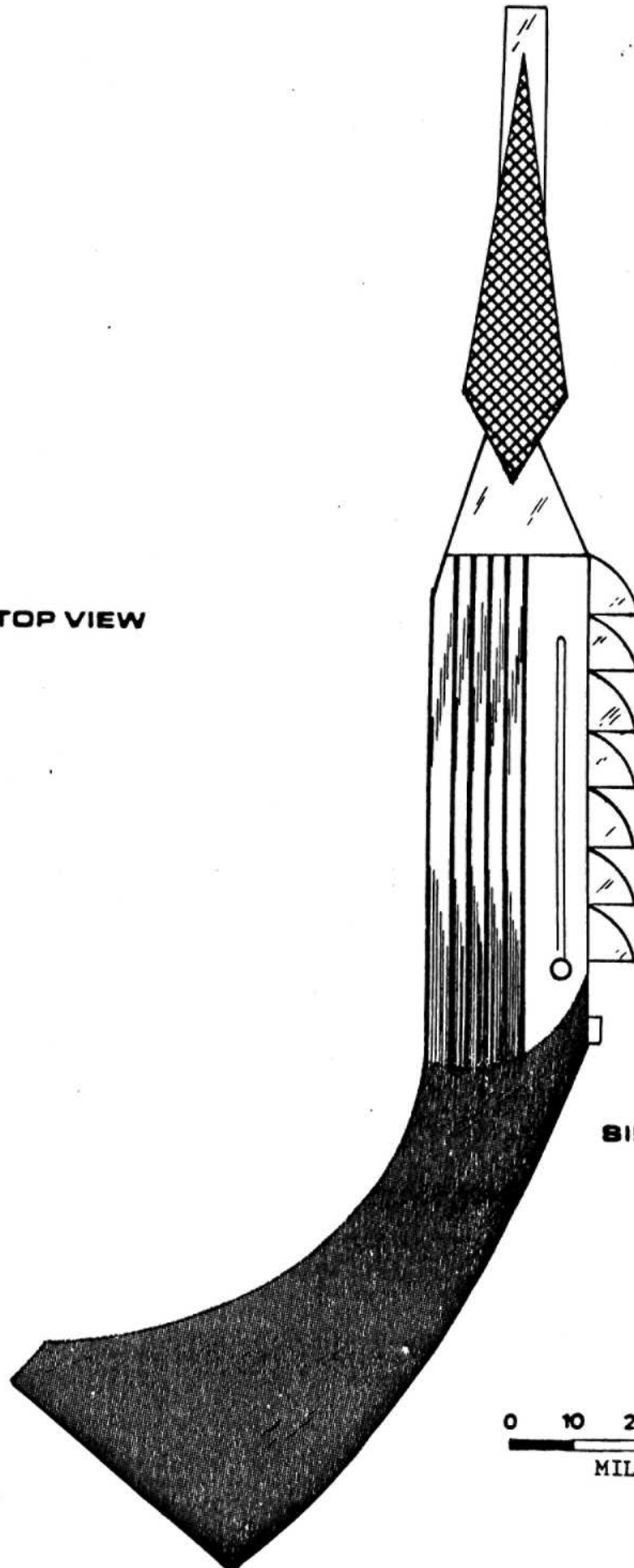
DIM.
L.O.A 157.00mm
W.O.A 42.00mm
D.O.A 90.00mm



ROMULAN DISRUPTER



TOP VIEW



SIDE VIEW

0 10 20 30 40 50
MILLIMETERS

GORN BLASTER

THE GORN BLASTER OPERATES ON UPGRADED LASER TECHNOLOGY, WHICH HAS BEEN CONSIDERABLY REFINED AND IMPROVED.

THE BLASTER HAS AN EFFECTIVE DISRUPT RANGE OF 67.5 METERS AND AN EFFECTIVE DEMATERIALIZER RANGE OF 40 METERS, MAKING IT A FORMIDABLE WEAPON: LIKE THE HAND PHASER OR THE HAND LASER, THE BLASTER CAN ALSO BE USED TO HEAT ROCKS AND OTHER ITEMS FOR WARMTH.

LIKE MOST OTHER HAND WEAPONS, THE GORN BLASTER IS STANDARD FIELD ISSUE FOR THE GORN ALLIANCE SPACE FLEET: THE BLASTER IS ALSO COMMONLY USED BY CIVILIANS ON MANY GORN COLONIAL WORLDS AND TRADING VESSELS.

FOR GORN BLASTER DIAGRAMS AND SPECIFICATIONS PLEASE SEE THE FOLLOWING 2 PAGES.

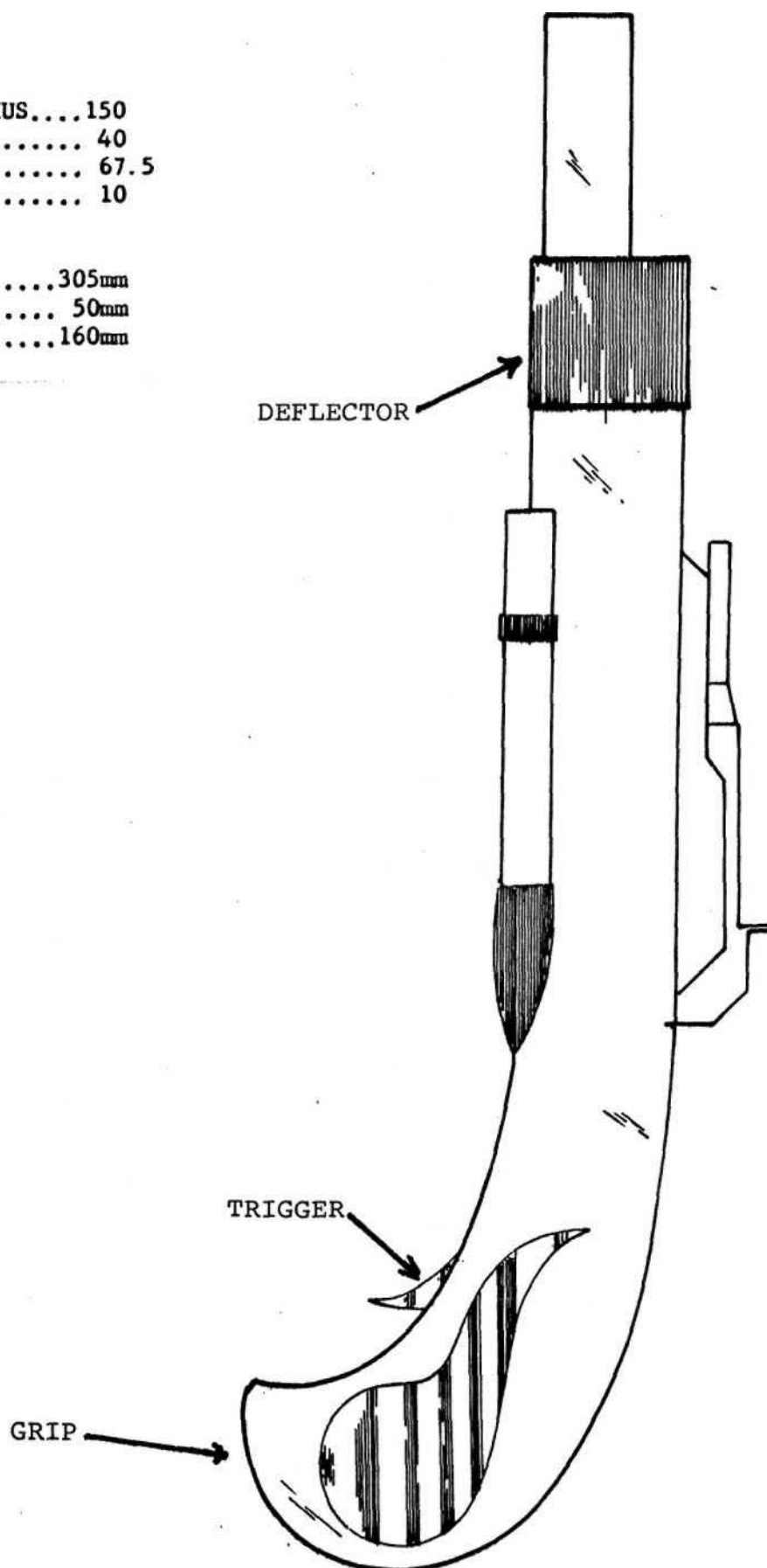
GORN BLASTER

EFF. RANGE IN METERS

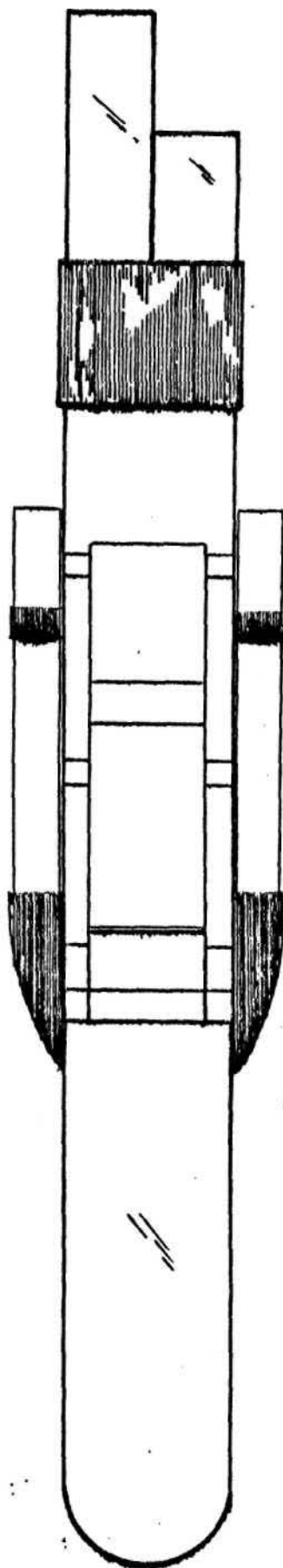
OVERLOAD BLAST RADIUS....	150
DE-MATERIALIZE.....	40
DISRUPT.....	67.5
HEAT.....	10

DIM.

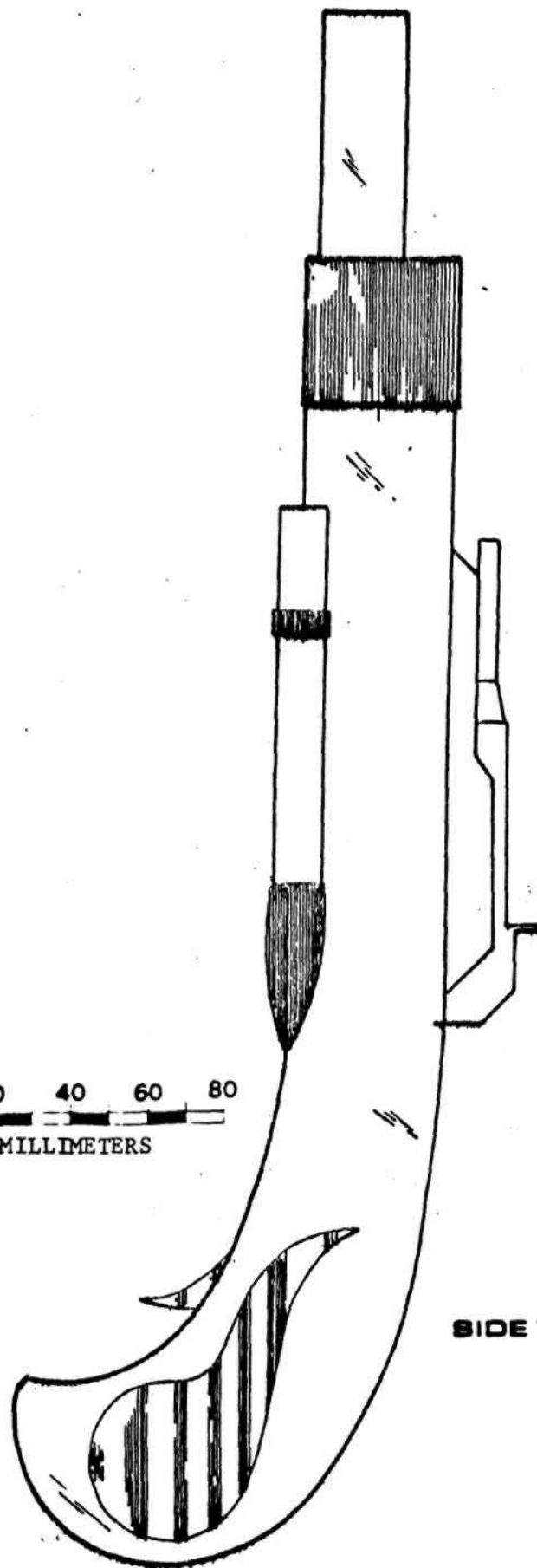
L.O.A.....	305mm
W.O.A.....	50mm
D.O.A.....	160mm



GORN BLASTER



TOP VIEW



SIDE VIEW

