

23x152 mm ADS

NSN: 1005-50-000-0299

ADS is a powerful weapons system, intended for destruction of air targets within the range of 2500 m at height 1500 m, light armored sea targets, and land firing points within the range of 2000 m, as well as for destruction of enemy light armor vehicles, manpower/troops in the open or behind light concealment.

### ADS Performance:

- The weapon is used for destruction of air, light armored ground/sea targets, firing points, as well as for destruction of enemy manpower/troops in the open or behind light concealment.
- Possess high tactical characteristics necessary for fighting against targets of opportunity and high speed targets;
- Equipped with Anti-Aircraft Automatic Sight ZAP-23, Optical Ground Sight T-3 and KV-L collimator;
- The System uses 23x152 mm HEI, HET, HEI-T, AP-T, API-T and RAPIT-C rounds
- Weapon feeding is performed by 50 round metal linked belt placed in a metal ammunition box.
- Crew fired weapon that is easy to transport by vehicle tow



## 23x152 mm ARSENAL Air Defense System ADS (for Land Forces)

<b>SPECIFICATIONS</b>	<b>ADS</b>
Number x caliber of automatic guns, mm	2 x 23
Ammunition, mm	23 x 152
Rate of fire, rounds/min	from 1600 to 2000
Muzzle velocity of projectile, m/s	970
Effective range, m	
- traverse	2000 m
- elevation	1500 m
- slant	2500 m
Combat ammunition load, pcs	100
Aiming speed, deg/s	
- traverse	30/60
- elevation	40
Engagement section, degrees	
- horizontal	360
- vertical	from -10 to +90
Overall dimensions in combat position, mm/in	
- length, mm/in in combat / marching / transport position	4570 / 3400 / 2870 mm w/out cannon 179.9 / 133.8 / 113.0 in w/out cannon
- height, mm/in in combat / marching / transport position	1330 / 1700 / 2300 mm w/out cannon 52.3 / 66.9 / 90.5 in w/out cannon
- weight, kg/lbs. in combat / marching	2880 / 1940 kg 6349.0 / 4277.0 lbs.
Weight of the system with covers, loaded ammunition boxes and SPTA set, kg/lbs.	960 kg / 2116.4 lbs.

<b>COMPLETE SET (ACCESSORIES)</b>	<b>ADS</b>
2 pcs spare barrels	SPTA set
Sights: ZAP-23 , T-3 and KV-L collimator	Overall protection cover
10 pcs ammunition boxes	2 pcs covers for the flush hidere
Barrel cooling basin	Cover for the sight

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<b>PACKING</b>	
1. Mount with 2 ammo boxes, sight, tools and accessories, covered with canvas cover	-
- Case dimensions, mm/in	2870 x 2800 / 1940 x 2300 / 1700 mm 113.0 x 110.2 / 76.3 x 90.5 / 67.0 in
- Case gross weight, kg/lbs.	770 kg / 1697.5 lbs.
2. Wooden case for SPTA set, pc	1
- Wooden case dimensions, mm/in	802 x 490 x 275 mm / 31.5 x 19.3 x 10.8 in
- Wooden case gross weight, kg/lbs.	50 kg / 110.2 lbs.
3. Wooden case w/ Cannon (left) / 2 barrels, pc	1
- Wooden case dimensions, mm/in	2135 x 385 x 336 mm / 84.0 x 15.1 x 13.2 in
- Wooden case gross weight, kg/lbs.	150 kg / 330.6 lbs.
4. Wooden case w/ Cannon (right) / 2 barrels, pc	1
- Wooden case dimensions, mm/in	2135 x 385 x 336 mm / 84.0 x 15.1 x 13.2 in
- Wooden case gross weight, kg/lbs.	150 kg / 330.6 lbs.
5. Wooden case with 8 pcs. ammunition boxes, pc	1
- Wooden case dimensions, mm/in	1240 x 660 x 620 mm / 48.8 x 25.9 x 24.4 in
- Wooden case gross weight, kg/lbs.	133 kg / 293.2 lbs.
6. Wooden case with barrel cooling basin, pc	1
- Wooden case dimensions, mm/in	2360 x 510 x 255 mm / 93.0 x 20.0 x 10.0 in
- Wooden case gross weight, kg/lbs.	50 kg / 110.2 lbs.
7. Wooden case with 630 links, pc	770 kg / 1697.5 lbs.
- Wooden case dimensions, mm/in	1126 x 310 x 342 mm / 44.3 x 12.2 x 13.4 in
- Wooden case gross weight, kg/lbs.	55 kg / 121.2 lbs.