

AIRSOFT - PARTS



Edition 9.6

About us

Airsoft-parts has been active in the development, production and distribution of innovative systems for airsoft guns since 2012. Due to advanced, robust and extremely durable products, Airsoft-parts is a synonym for the fulfillment of highest demands worldwide.

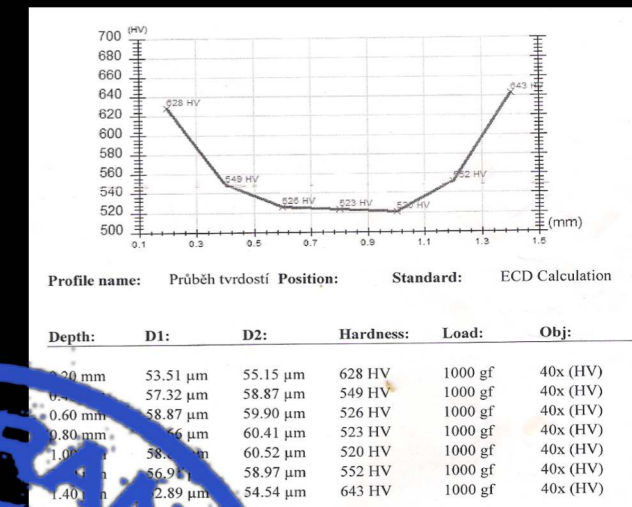
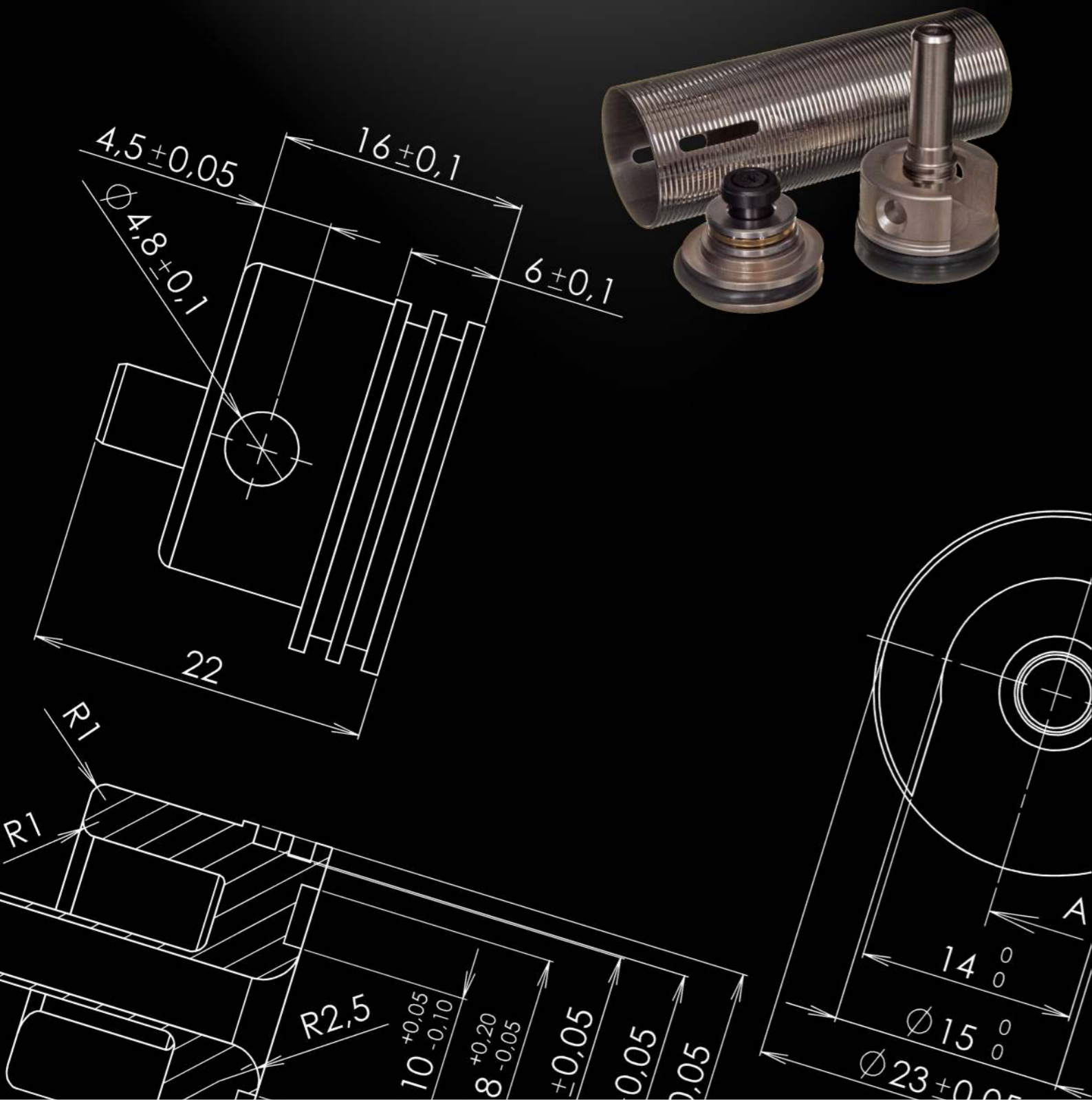
Products Airsoft-parts have been and are being developed and marketed in close cooperation with leading airsoft manufacturers and users

"We will not be satisfied until the clients of our customers are!"

Quality control

All our products are manufactured in the Czech Republic. We use only the finest materials such as duralumin, stainless steel, structural steel (C45E, 16MnCr5, ...), technical plastics, etc. We use CNC machining centres, as well as CNC laser and plasma machines, wire cutter, etc.

Each of our products is subject to stringent internal controls. Before the product reaches the customer it must undergo a thorough final inspection. This is carried out by trained personnel. The operator first visually checks the product for burrs, cracks, or similar defects. Then the operator checks the completeness of the package (the number of screws, bearings, washers, etc. must be exact). This inspection is followed by an activity that is of paramount importance. This is checking the functional dimensions of the component. We check for dimensional accuracy, surface roughness, hardness, etc.



Piston heads - DURAL



Piston head DURAL

Piston head DURAL DOUBLE



Piston heads - POM

Piston head POM



Piston head POM DOUBLE

Piston head ULTRA LIGHT



Technical data

The piston head is made of duralumin EN AW 6012 T6 on the CNC machining centre. Nine holes are drilled on the front side. The air stream flows through these holes during compression thus expanding the O-ring which provides for better sealing of the space between the piston head and the cylinder.

The piston head also includes an axial ball bearing which allows easy rotation of the spring in compression. This rotation significantly increases the service life of the spring.

Model	DURAL	DURAL DOUBLE	
Catalogue code	HP-DUR	HP-DUR-DOU	HP-DUR-DOU-NBU
Dimension	Standard	Standard	
Maximum suitable spring	SP170	SP170	SP 170
Seal	1 pcs O-ring	1 pcs O-ring + 1pcs guide rings	
Bearings	✓	✓	
Hole for reduce weight	✗	✓	
Surface finishing	Electroless nickel	Electroless nickel	
Weight	11,7 g	11,3 g	11,4 g
Compatible with the gearbox	v.2, v.3, v.7	v.2, v.3, v.7	



We recommend combining with:



Technical data

The piston head is made of a structural plastic TECAFORM also known as POM on the CNC machining centre. Nine holes are drilled on the front side. The air stream flows through these holes during compression thus expanding the O-ring which provides for better sealing of the space between the piston head and the cylinder. The centre of the piston head is passed through by the lock nut, which spreads the clamping force over a larger area and therefore prevents breakage of the bolt from the body of the piston head.

This piston head also incorporates an axial ball bearing.

Model	POM	POM DOUBLE		ULTRA LIGHT
Catalogue code	HP-POM	HP-POM-DOU	HP-POM-DOU-NBU	HP-ULTRA
Dimension	Standard	Standard		Standard
Maximum suitable spring	SP150	SP150		SP130
Seal	1 pcs O-ring	1 pcs O-ring + 1pcs guide rings		1 pcs O-ring
Bearings	✓	✓		✗
Hole for reduce weight	✗	✗		✓
Surface finishing	✗	✗		✗
Weight	8,62 g	8,74 g	8,8 g	5,4 g
Compatible with the gearbox	v.2, v.3, v.7	v.2, v.3, v.7	v.2, v.3, v.7	v.2, v.3, v.7

We recommend combining with:



Cylinder heads




Cylinder heads



Technical data

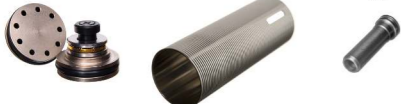
This cylinder head is a completely innovative design; the most significant difference is the impact surface and single-piece seal.

- Advantages:
- Perfect sealing between the cylinder head and the cylinder
 - Double seals (sealing cup + integrated sealing ring)
 - Large rubber impact surface suitable even for the strongest springs
 - Seals and impact surface made of a single piece => perfect sealing

Model	SILENT		X-TECH
	HV-TICH	HV-TICH-NBU	HV-XTECH
Catalogue code	HV-TICH	HV-TICH-NBU	HV-XTECH
Dimension	Standard		Special dimensions for milling gearbox
Maximum suitable spring	SP170		
Seal	1 pcs special U-rings		
Rubber pad	combined with seal		
Hardness of rubber pad	80 ShA		
Surface finishing	Electroless nickel		
Weight	10,1 g	10,3 g	10 g
Compatible with the gearbox	v.2, v.3		




We recommend combining with:



Technical data

The cylinder head is made of duralumin EN AW 6012 on CNC machining centre. The seal between the cylinder head and the cylinder is ensured by two sealing O-rings. The rubber impact surface is secured to the duralumin body by means of mechanical locks and high-strength adhesive.

- Advantages:
- Inner fillet to facilitate airflow into the nozzle
 - Fixed impact surface mounting
 - Shaped impact area, which does not cause the piston head to break

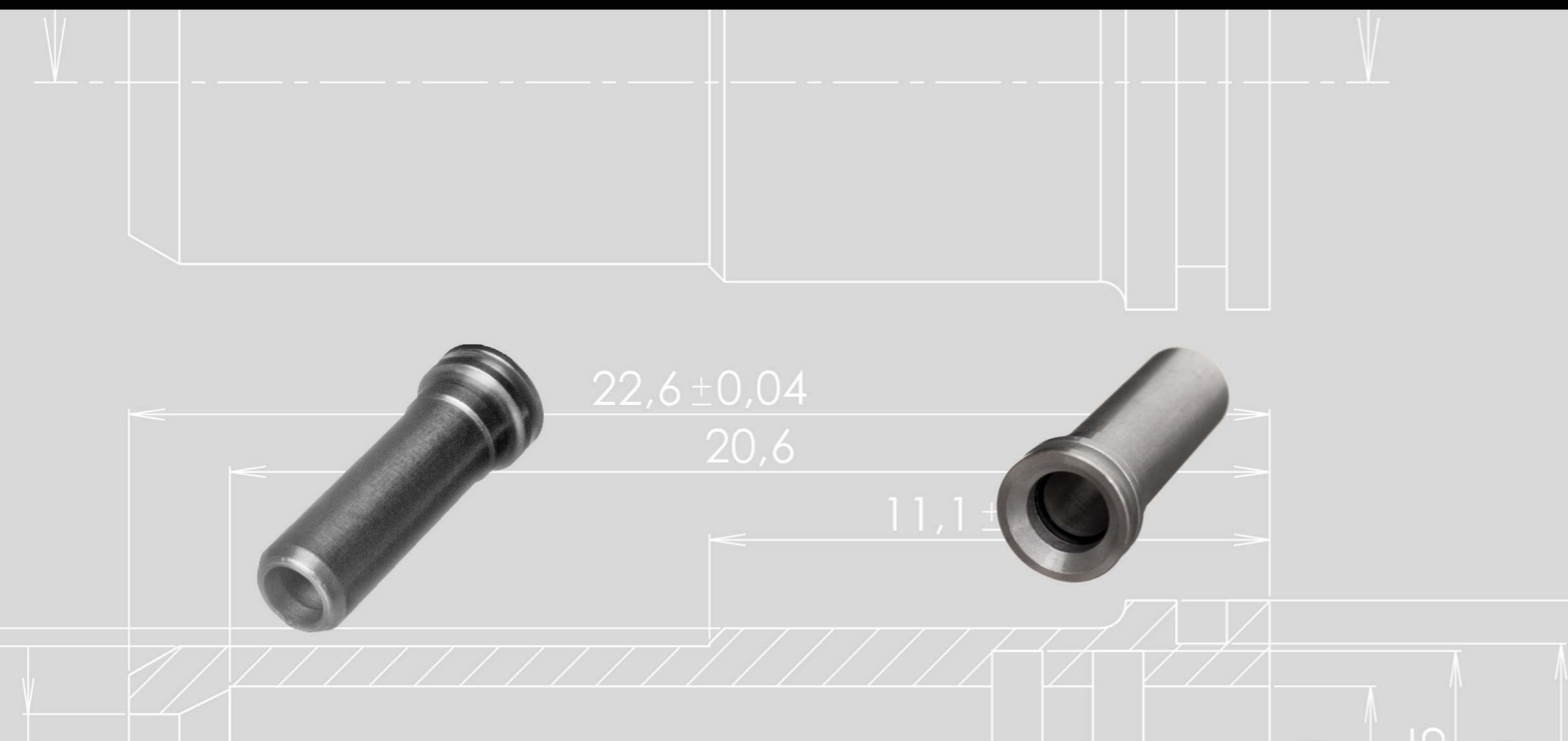
Model	CLASSIC		V.7
	HV-CLAS	HV-CLAS-NBU	HV-V7
Catalogue code	HV-CLAS	HV-CLAS-NBU	HV-V7
Dimension	Standard		Standard
Maximum suitable spring	SP150		SP140
Seal	2 pcs O-ring		
Rubber pad	molded rubber plate		
Hardness of rubber pad	70 ShA		
Surface finishing	Electroless nickel		
Weight	11,3 g	11,5 g	11,6 g
Compatible with the gearbox	v.2, v.3	v.2, v.3	v.7



We recommend combining with:



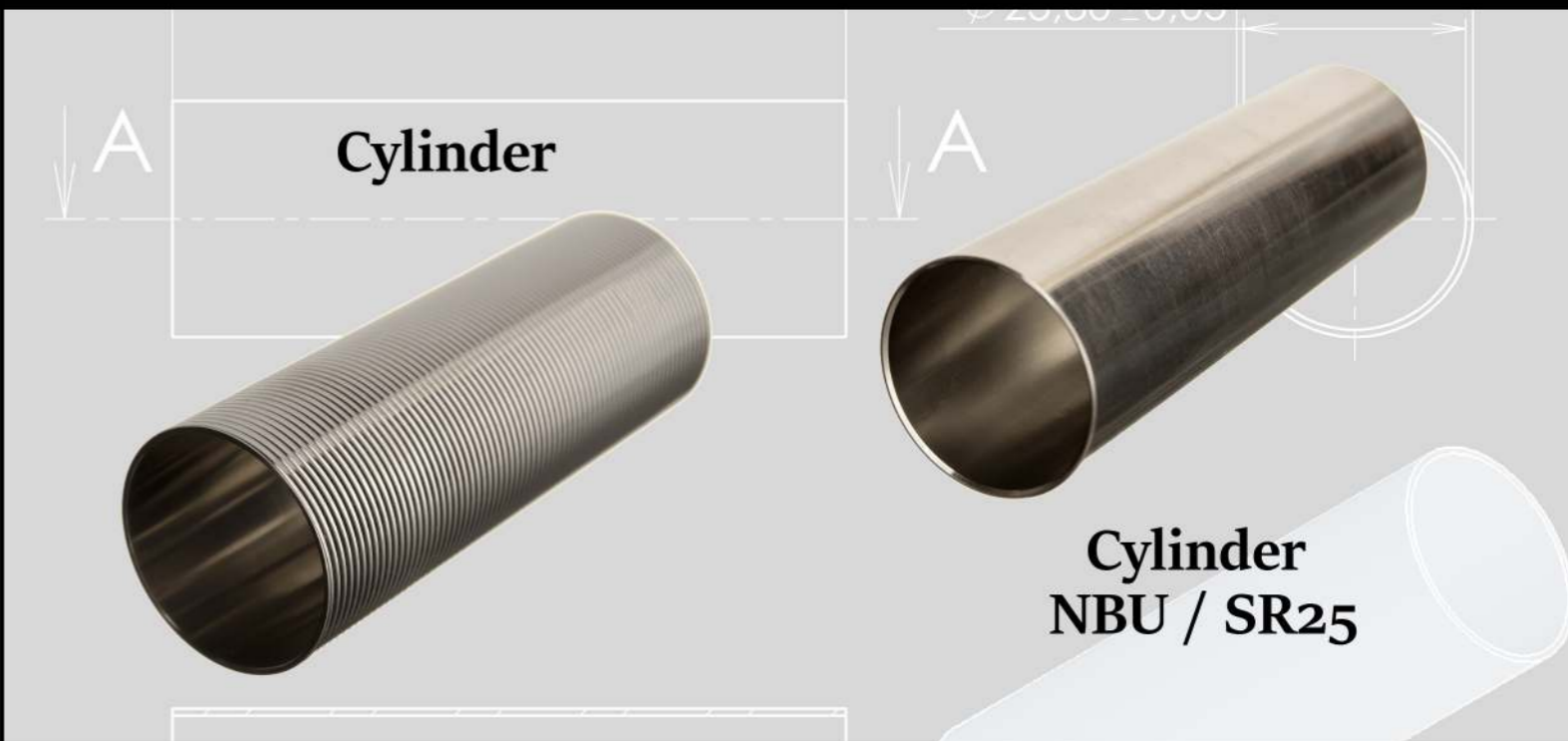
Nozzles



Technical data

Model	STANDARD		NICKEL	
	NOZ-xx	NOZ-NBU-xx	NOZ-NIC-xx	NOZ-NIC-NBU-xx
Catalogue code (xx = length)	NOZ-xx	NOZ-NBU-xx	NOZ-NIC-xx	NOZ-NIC-NBU-xx
Dimension	Standard	NBU	Standard	NBU
Seal	1 pcs O-ring		1 pcs NBU O-ring	
Surface finishing	✗		Electroless nickel	
Weight	0,8 - 1,3 g		0,9 - 1,3 g	
Nozzle length:				
19 mm	✓	✗	✗	✗
19,6 mm	✓	✗	✗	✗
19,7 mm	✓	✗	✗	✗
19,8 mm	✓	✓	✓	✓
19,9 mm	✓	✗	✗	✗
20 mm	✓	✗	✗	✗
20,2 mm	✓	✓	✗	✗
20,3 mm	✓	✗	✗	✗
20,4 mm	✓	✓	✓	✓
20,5 mm	✓	✗	✗	✗
20,6 mm	✓	✓	✗	✗
20,7 mm	✓	✗	✗	✗
20,9 mm	✓	✗	✗	✗
21 mm	✓	✓	✓	✗
21,2 mm	✓	✓	✗	✗
21,3 mm	✓	✗	✗	✗
21,4 mm	✓	✓	✓	✓
21,5 mm	✓	✓	✓	✓
21,55 mm	✓	✓	✓	✓
21,6 mm	✓	✓	✓	✓
21,7 mm	✓	✗	✗	✗
22 mm	✓	✓	✗	✗
22,2 mm	✓	✓	✗	✗
22,4 mm	✓	✓	✓	✗
22,6 mm	✓	✗	✗	✗
22,8 mm	✓	✓	✗	✗
23 mm	✓	✗	✗	✗
23,5 mm	✓	✗	✗	✗
24,6 mm	✓	✗	✗	✗
24,8 mm	✓	✓	✓	✓
25,2 mm	✓	✓	✓	✓
28,4 mm	✓	✗	✗	✗
29,1 mm	✓	✓	✗	✗
34,9 mm	✓	✗	✗	✗
38,4 mm	✓	✗	✗	✗

Cylinders



Technical data

Polished stainless steel cylinder for AEG airsoft guns. The roughness of the inner surface is up to Ra 0.2.

- Advantages:
- Alignment
 - Quality material
 - Glossy finish

Model	WITHOUT HOLE		SR25
Catalogue code	VAL	VAL-NBU	VAL-SR25
Dimension	Standard	NBU	Standard
Maximum suitable spring	SP170	SP160	SP170
Anti-heat external surface	✓	✗	✗
Weight	32,6 g	20,2 g	42,3 g
Compatible with the gearbox	v.2, v.3	v.2, v.3	for SR25



We recommend combining with:



Cylinders



Cylinder set



Technical data

Polished stainless steel cylinder with hose for AEG airsoft guns. The roughness of the inner surface is up to Ra 0.2.

- Advantages:
- Alignment
 - Quality material
 - Glossy finish

Model	WITH HOLE	
	VAL-DIR	VAL-DIR-NBU
Catalogue code	VAL-DIR	VAL-DIR-NBU
Dimension	Standard	NBU
Maximum suitable spring	SP170	SP160
Anti-heat external surface	✓	✗
Weight	31,3 g	19,4 g
Compatible with the gearbox	v.2, v.3	v.2, v.3



Technical data

Model	ECONOMY CLASS		PREMIUM CLASS	
	SET-ECO-xx	SET-ECO-NBU-xx	SET-PRO-xx	SET-PRO-NBU-xx
Catalogue code (xx = type gun)	SET-ECO-xx	SET-ECO-NBU-xx	SET-PRO-xx	SET-PRO-NBU-xx
Dimension	Standard	NBU	Standard	NBU
Package contains:				
Piston head	HP-POM	HP-POM-NBU	HP-DUR-DOU	HP-DUR-DOU-NBU
Cylinder head	HV-CLASS	HV-CLASS-NBU	HV-TICH	HV-TIVH-NBU
Cylinder	VAL-*	VAL-*-NBU	VAL-*	VAL-*-NBU
Nozzle	NOZ	NOZ-NBU	NOZ-NIC	NOZ-NIC-NBU
Maximum suitable spring	SP150	SP150	SP170	SP160
Type of gun:				
AK 47 / AK 47 S	✓	✓	✓	✓
MP5 - A4/A5/SD5/SD6	✓	✓	✓	✓
MP5K	✓	✗	✓	✗
AK74	✓	✓	✓	✓
M4A1 / M4-RIS / SR-16	✓	✓	✓	✓
M16	✓	✓	✓	✗
FAL	✓	✗	✓	✗
AUG	✓	✓	✓	✓
G36C	✓	✓	✓	✓
M14	✓	✗	✗	✗
SR25	✓	✗	✗	✗


Spring guide



Technical data

The spring guide is made using a steel foot with a shiny nickel surface and a burnishing steel mandrel. Quality material, heat treatment and surface finishing result in no abrasion of the spring guide during shooting. A threaded hole is drilled in the bottom part of the mandrel.

The spring guide also incorporates an axial ball bearing which allows easy rotation of the spring in compression. This rotation significantly increases the service life of the spring.

Model	v.2	v.3
Catalogue code	VOD-V2	VOD-V3
Dimension	Standard + 	
Maximum suitable spring	SP170	
Bearings	✓	
Surface finishing	Electroless nickel / blackening	
Weight	27,1 g	27,3 g
Compatible with the gearbox	v.2	v.3



We recommend combining with:



Bearings



Technical data

Bronze bearings - advantages:

- Excellent lubricity => increased cadence
- More resistance than the basic or ball bearings
- They do not contain a lubricating groove which causes abrasion of the gear shafts

Steel bearings - advantages:

- Excellent lubricity thanks to quality nickel coating on the surface => increased cadence
- Long service life
- They do not contain a lubricating groove which causes abrasion of the gear axles

Model	STEEL		BRONZE	
	LOZ-OC3-xx	LOZ-OC4-xx	LOZ-BR3-xx	LOZ-BR4-xx
Catalogue code (xx = dimension)				
Shaft diameter	3 mm	4 mm	3 mm	4 mm
Maximum suitable spring	SP170	SP200	SP130	SP150
Surface finishing	Electroless nickel		✗	
Compatible with the gearbox	v.2, v.3, v.7, ...		v.2, v.3, v.7, ...	
Dimension:				
6 mm	✓	✗	✓	✗
7 mm	✓	✗	✓	✓
8 mm	✓	✓	✓	✓
9 mm	✓	✓	✓	✓
10 mm	✓	✓	✓	✗

We recommend combining with:

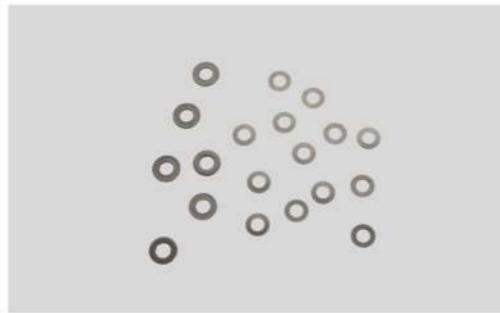




Springs v.2/v.3



Gearbox reinforcement



Shims



Piston for SVD



Cylinder head for SVD



Silencer adapter



Hop up suport for MASADA



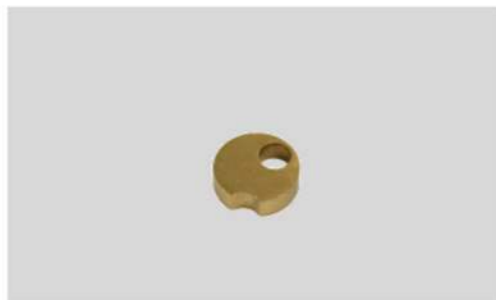
Spare screws for gearbox 2/3



Spare rubber o-rings



Spare rubber pads



Delayer



Custom production...

Where we are and how to reach us...

Development, production, testing,
distribution in the Czech Republic

Ing. Vaclav Musil - Airsoft parts
Rymarovska 27
Bruntal 79201
Czech republic

E-mail: info@airsoftparts.cz
Tel.: +420 777115048
www.airsoftparts.cz

Distributor for your country:

