PRODUCER

AMP® Engine Valves



PRODUCER

AMP® Engine valves

- Annual Volume 2018: 2 000 000
- 0 4 000+ skus
- Private Entity 100% own capital
- Over 70 years of experience



Production Process:

100%

in Poland (EU)





2 manufacturing plants

located in

Poland





Alloys used:

Suppliers – world reputable

Grades:

- O DIN 1.4718
- O DIN 1.4871
- Nimonic 80A
- Other (for request)





Applications

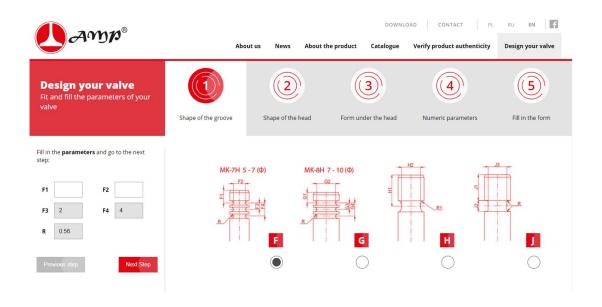
Combustion engines for

- Motorcycles
- Passenger cars
- Trucks
- Heavy duties
- Tractors

- Aggregates
- Comparison Locomotives
- Motor boats
- Auxiliary marine engines



- Making valves for customer's special order
- Ocheck details on our website: https://www.amp.eu/en/designer

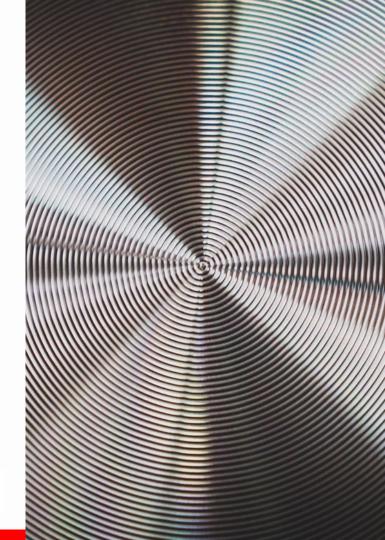




Scope of Dimensions

	Max (mm)
Ø head	105
Ø stem	26
L lenght	400





Technologies

- Friction welding
- Stelliting
- Impulse plasma nitriding













Impulse Plasma Nitriding

- Most modern process of metals nitriding
- O AMP®: the only valves manufacturer in EU using this technology
- Product features
 - Substantial durability increase
 - Higher resistance to wear and seizing

Check details on our website: https://www.amp.eu/en/nitriding



Impulse Plasma Nitriding









Quality Control

- State of-the-art measuring apparatus
- O Highest quality standards
- Highly qualified and expierienced personel
- Strict control procedures
- Self-control procedure





State-of-the-art

Measuring Apparatus

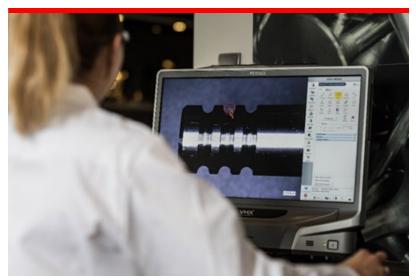






State-of-the-art

Measuring Apparatus







Highest quality

standards







Self-control

procedure

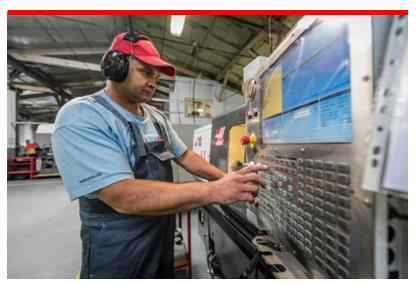






Highly qualified

and experienced personel







Product origin checking system

- Unique codes on AMP® packaging
- On-line checking system
- See details on AMP® website: https://www.amp.eu/en/validator









The Extension of the Product Range

- Perspiciatis unde omnis iste natus error sit
- Voluptatem accusantium doloremque laudantium





Valve guides

- Highest AMP® quality standards
- © 500+ skus
- O Annual volume: 1000 000 pcs
- Check details on our website: https://www.amp.eu/en/about product/valve - guides





Piston pins

- Highest AMP® quality standards
- Annual volume:
 100 000 sets per engine
- Check details on our website: https://www.amp.eu/en/about product/piston - pins







Piston rings

- Highest AMP® quality standards
- 100+ skus
- Annual volume:
 100 000 sets per engine
- Check details on our website:https://www.amp.eu/en/about product/piston rings





Distribution

- Engines producers
- Wholesalers
- Individual customers





Certificate TUV: ISO 9001:2015



Quality management system

- Customer satisfaction
- · Continuous improvement
- · System/process effectiveness





European Quality

Certificate 2018











Benefits

of co - operation



- Value ... for reasonable money
- Unique technology (plasma nitriding) > improvement of valves' physical features
- Environment protection plasma nitriding in place of chromium plating
- Recognizable brand (AMP®)
- Reliability



See more

www.amp.eu



click on logo







Summary



Cooperation of engine parts requires perfect geometry and quality materials.



Such product delivers

